



Alvin Independent School District
301 East House Street
Alvin TX 77511



[Alvin High School](#)

802 South Johnson
Alvin, TX 77511
281-245-3000
Principal - Karen Taylor



[Manvel High School](#)

19601 Highway 6
Manvel, TX 77578
281-245-2232
Principal - Aeniqa Flowers



[Shadow Creek High School](#)

11850 Broadway
Pearland, TX 77584
281-245-3800
Principal - Craig Rhodes



[Iowa Colony High School](#)

3700 County Road 64
Iowa Colony, TX 77583
Phone Number
Principal - Ashley Marquez



[RISE Academy](#)

605 West House St.
Alvin, TX 77511
281-331-1690
Principal - Marisa Whitfield



[J. B. Hensler College and Career Academy](#)

7380 Lewis Lane
Manvel, TX 77578
281-245-2160
Coordinator - Kyle Kettler

Please be sure to visit each of the tabs at the bottom of this google sheet to find more information.

[ACC and Dual Enrollment](#)

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Alvin Independent School District

Students, Parents, and Families:

Please find the provided Alvin ISD Course Guide as a resource intended to help Alvin ISD students and their families make informed decisions regarding coursework selections throughout high school. This guide has been designed to help identify coursework pathways that will position them to transition to post-secondary education or directly into a career already possessing many of the skills that will help them achieve success. We also encourage you to reach out to your counselor who can help you make informed decisions.

Students are required to graduate on the Foundation High School Program with an Endorsement. Students can earn an endorsement in one of five areas including: Business and Industry, Public Services, Arts and Humanities, Multidisciplinary, or STEM (Science, Technology, Engineering and Mathematics).

Consider utilizing the following resources when choosing graduation plans, endorsements, and individual courses:

[Alvin ISD Graduation Plan Information](#)

Review the course guide and note the specific requirements related to each graduation plan, endorsements as well as prerequisites for future course work.

Consult with your school counselor regarding coursework pathways and graduation requirements.

Consult with the Advanced Academic Specialist at each secondary school regarding Advanced Placement (AP) and APA course offerings.

Consult with an Alvin Community College Dual Enrollment Academic Advisor to evaluate dual enrollment or dual degree programs.

Review college admissions requirements for colleges and programs that are being considered following high school.

We hope these resources will help every student in Alvin ISD achieve their goals, both now and in the future.

Thank you,

Alvin ISD Guidance and Counseling Department

PLANNING YOUR HIGH SCHOOL PROGRAM

Each high school year, every student is one step closer to the future. With each decision, the student may either preserve options or restrict future possibilities. The following information can be used to help parents and students plan for high school and beyond.

High school courses chosen during a student's freshman and sophomore years are among the most important academic decisions a student will make in high school. While these decisions may not determine what career the student will pursue or which college the student will attend, they may limit certain colleges and careers from the range of choices.

The Endorsements and Pathways Guide provided within this document is a tool that students and parents should use to effectively plan for the upcoming year and the remaining years of high school.

The four years of high school should be planned to preserve a student's options. Too many math and science courses cannot harm a student's college or career prospects, but too little will likely impact career possibilities in which the student may later become interested. For example, a student who decides to enter engineering or attend a very selective college, during the junior or senior year, may discover that the college or career selection required four years of math, science and/or a foreign language.

Please consult with your school counselor for questions related to course selection.

ALVIN ISD COURSE REGISTRATION

Junior High and High School counselors will provide 8th grade parents with information regarding graduation requirements and the process of selecting classes for their student's 9th-grade year of high school.

Students/parents will have an opportunity to schedule an individual 4-year plan meeting with a HS Counselor during the 9th grade school year.

High School Counselors will meet with 9th and 10th grade students in classroom settings to review requirements for graduation and assist with course selection.

Counselors will meet with each junior (11th grade) student through an individual academic conference.

Students should discuss course choices with parents, coaches, and current teachers before completing the course selection form.

Teachers are encouraged to provide consultation and advisement regarding course selections for accelerated and advanced coursework, special programs, and CTE programs of study.

In the late spring, students will be provided a verification sheet to confirm their course selections. Students must notify their counselor of any requested changes prior to June 1st.

SCHEDULE CHANGES (See AISD Schedule Change Policy Link)

What is a school master schedule? Junior high and high school master schedules are detailed plans that specify how, when, and where the courses of the school will be provided. Master schedules ensure efficient use of staff and building resources and provide equitable access to courses students are required to take and interested in taking to complete their schooling.

Student course selections determine how the school master schedule is built, how faculty is hired and how room assignments are made. Your course selections are your commitments to the courses.

After the start of school, schedule changes will only be considered based on the following circumstances:

- *The student is a senior not yet scheduled in a class needed for graduation.
- *The student has already earned credit for a course that they are currently scheduled.
- *The student does not meet the prerequisite requirement for the course.
- *The student was dismissed from a program in which approval must be granted.

Note: Student schedule changes may occur at the discretion of the campus if at anytime the student is not on track to graduate in a timely manner. This includes the removal of off periods/office aid periods for 12th grade students in the last semester of high school.

DISCLAIMER

The listing of courses contained in the Alvin ISD Course Planning Guide is by way of announcement only and shall not be regarded as an offer of contract. The district expressly reserves the right to (1) add or delete courses from its offerings; (2) change or cancel any course for insufficient enrollment; or (3) revise or change courses, pathway suggestions and any other policy affecting course offerings. Students and parents may access updates at: www.alvinisd.net.

ALVIN ISD GRADUATION PLAN

The Texas Legislature has created one graduation plan called the "Foundation High School Program" (FHSP). In addition to the FHSP, students will have the opportunity to earn endorsements and performance acknowledgements. Specific course descriptions are available in the [Course Description Tab](#) of the Course Planning Guide.

Please consult with your School Counselor to create a graduation plan.

Foundation* 22 Credits (administrative approval only)	FHSP + Endorsements 26 Credits	Distinguished Level of Achievement 26 Credits
4 credits English— ELA I, II, III, and an advanced ELA credit	4 credits English— ELA I, II, III, and an advanced ELA credit	4 credits English— ELA I, II, III, and an advanced ELA credit
3 credits Math— Algebra I, Geometry, and an advanced math credit	4 credits Math— Algebra I, Geometry, and two advanced math credits	4 credits Math— Algebra I, Geometry, Algebra II, and one advanced math
3 credits Science— Biology, IPC or Chemistry or Physics, and one advanced science	4 credits Science— Biology, IPC or Chemistry or Physics, two advanced science credits	4 credits Science— Biology, IPC or Chemistry or Physics, two advanced science credits
*3 credits Social Studies— U.S. History, Government, Economics, and either World Geography or World History	*3 credits Social Studies— U.S. History, Government, Economics, and either World Geography or World History	3 credits Social Studies* – U.S. History, Government, Economics, and either World Geography or World History
2 credits in the same Language other than English	2 credits in the same Language other than English	2 credits in the same Language other than English
1 credit in Fine Arts (Art, Band, Choir, Dance, Orchestra, Theatre, or Floral Design I)	1 credit in Fine Arts (Art, Band, Choir, Dance, Orchestra, Theatre, or Floral Design I)	1 credit in Fine Arts (Art, Band, Choir, Dance, Orchestra, Theatre, or Floral Design I)
1 credit in Physical Education	1 credit in Physical Education	1 credit in Physical Education
5 credits in electives (may include CTE or certification courses)	7 credits in electives (may include CTE or certification courses) Credit requirements specific to at least one endorsement	7 credits in electives (may include CTE or certification courses) Credit requirements specific to at least one endorsement

Important Notes About High School Graduation

*Algebra 2, World History and English 4 are highly recommended for college-bound students. It is the student's responsibility to check prospective college requirements.

**Algebra 2 is required to be eligible for automatic admissions if in the top 10% (6% for UT-Austin). The 86th Texas Legislature, Regular Session, 2019, passed SB 232 requiring school districts to notify parents that state graduation requirements do not require a student to complete an Algebra II course to graduate under the Foundation High School Program.

Students who do not complete an Algebra II course will not be eligible for— automatic college admission or certain financial aid including the TEXAS grant program and Texas Educational Opportunity Grant Program.

Notes:

> Students wishing to graduate early must file an Intent to Graduate Early form with their counselor. [STUDENT - Early Graduation Intent Form](#) / [COUNSELOR - EGI Form](#)

> **Texas First Early High School Completion and Scholarship Program:** Starting in the 2022-2023 school year, students entering high school have the opportunity to participate in the program to recognize high-achieving students. Eligible students can graduate early with the Distinguished Level of Achievement and receive a scholarship to participating universities. To read more about participating institutions and eligibility requirements visit [The Higher Education Coordinating Board Texas First Diploma webpage](#).

Endorsements

Endorsements consist of a related series of courses that are grouped together by interest or skill set. They provide students with in-depth knowledge of a subject area. Students earn an endorsement by completing the curriculum requirements for the endorsement, including the 4th credit of math and science.

High school endorsements are fulfilled through the selection of electives. Most of the AISD elective courses fall under the Career and Technical Education (CTE) umbrella and CTE courses are grouped into a coherent sequence called a Program of Student (PoS). [Click HERE](#) to see more information regarding Programs of Study.

STEM	Business & Industry	Public Services	Arts & Humanities	Multidisciplinary Studies
Science Technology Engineering Mathematics	Agriculture Architecture and Construction Audio/Video Technology Information Technology Business Management Finance/Marketing Hospitality/Tourism Manufacturing Transportation	Education and Training Health Sciences Human Services Law JROTC	Visual Arts Performing Arts Languages Other than English Social Studies	Advanced courses from one or among Endorsement areas; or Four credits in each of the four core subject areas (to include chemistry and/or physics and English IV); or Four credits in advanced placement (AP) or dual enrollment selected from English, Math, Science, Social Studies, Economics, LOTE, or Fine Arts

STAAR End of Course (EOC)

State Assessments Required for Graduation

To receive a high school diploma, a student must pass the following STAAR EOC Assessments:

English I	Algebra I	Biology
English II		US History

Financial Aid Requirement

In accordance with Texas Education Code, 28.0256, beginning with students enrolled in 12th grade during the 2021 - 2022 school year, each student must do one of the following in order to graduate:

1. Complete and submit a [Free Application for Federal Student Aid](#) (FAFSA); **or**
2. Complete and submit a [Texas Application for State Financial Aid](#) (TASFA); **or**
3. Submit a signed [Financial Aid Application Opt-out Form](#)

Performance Acknowledgements

A student may earn a performance acknowledgment on the high school transcript for outstanding performance by successfully completing:

Dual Credit Courses	Bilingualism and Biliteracy	College Board AP Exam	PSAT, PLAN, SAT or ACT	State, National, or International Business or Industry Certificate or License
1. At least 12 hours of college academic courses, including those taken for dual credit as part of the Texas core curriculum, and advanced technical credit courses, including locally articulated courses, with a grade of the equivalent of 3.0 or higher on a scale of 4.0; or	1. Complete all English language arts requirements and maintain a minimum grade point average (GPA) of the equivalent of 80 on a scale of 100; and	3. In addition to completing #1 in this section, an emergent bilingual student must also have:	1. Earn a score on the Preliminary SAT/National Merit Scholarship Qualifying Test (PSAT/NMSQT®) that qualifies the student for recognition as a commended scholar or higher by the National Merit Scholarship Corporation or as an awardee of the National Recognition Programs of the College Board; or	1. Performance on an examination or series of examinations sufficient to obtain a nationally or internationally recognized business or industry certification; or
2. An associates degree while in high school	2. Satisfy <u>one</u> of the following:	(a) Participated in and met the exit criteria for a bilingual or English as a second language (ESL) program; and	2. Earn a composite score of 442 on the ACT Aspire™ examination; or	2. Performance on an examination sufficient to obtain a government-required credential to practice a profession
	(a) Completion of a minimum of three credits in the same language in a language other than English with a minimum GPA of the equivalent of 80 on a scale of 100; or	(b) Scored at the Advanced High level on the Texas English Language Proficiency Assessment System (TELPAS)	3. Earn a composite score of 29 on the ACT PreACT® examination; or	
	(b) Demonstrated proficiency in the Texas Essential Knowledge and Skills for Level IV or higher in a language other than English with a minimum GPA of the equivalent of 80 on a scale of 100; or		4. Earn a total score of at least 1350 on the SAT®; or	

(c) Completion of at least three credits in foundation subject area courses in a language other than English with a minimum GPA of 80 on a scale of 100;
or
(d) Demonstrate proficiency in one or more languages other than English through one of the following methods:
(i) Score a 3 or higher on a College Board Advanced Placement examination for a language other than English; **or**
(ii) Score a 4 or higher on an International Baccalaureate examination for a higher-level language other than English course; **or**
(iii) Perform at least Intermediate High or its equivalent on a national assessment of language proficiency in a language other than English

5. Earn a composite score on the ACT® examination of 29 (excluding the writing subscore)

Post-Secondary Readiness Expectations

*Alvin ISD is committed to preparing graduates for life after high school. Whether the student's next step is college, the workforce, or the military, AISD wants to facilitate success in their chosen path.
House Bill 3 from the 86th Texas Legislative Session requires school districts to ensure students are achieving readiness for college, career, and/or military opportunities.
There are several ways for students to meet this standard and demonstrate post-secondary readiness!*

****Although students may demonstrate post-secondary readiness in multiple areas, they are only required to meet one of the criteria below prior to graduation.****

Criteria/Standard	Details		Notes	Readiness	
Meet the Texas Success Initiative (TSI) Criteria in Both Reading and Math	Reading (1 from list below)	AND	Math (1 from list below)	May mix & match TSIA2 score, SAT, ACT, and College Prep Course	
(TSI = College Readiness Standard)	TSIA Reading & Writing Ready (Score: ≥945 AND Essay ≥5)		TSIA Mathematics Ready (Score: ≥950)	Must meet both Reading and Math	
	SAT Evidence-based Reading/Writing (480)		SAT Math (530)		College Ready
	ACT English (Composite Score 23 w/19 on Reading)		ACT Math (Compose Score 23 w/19 on Math)		
	Credit for College Prep English Course		Credit for College Prep Math Course		
Score 3 or Higher on One Advanced Placement Exam	AP EXAM:		Score:	Score 3 or greater required on any AP exam taken while in high school	
Dual Credit Hours	3 credit hours of dual-enrollment coursework in ELA or Math	OR	9 credit hours of dual-enrollment coursework in ANY subject	Summer courses taken between 8th and 9th Grade do not qualify	
Associate's Degree	Earn an Associate's Degree while in High School			Must be earned by August 31st after 12th Grade	
Industry-Based Certification	The student has earned an industry-based certification from the Texas Education Agency approved list (current) .			Must be earned while in high school to qualify Sunsetting IBCs (Phase-Out)	
Level I or Level II Certificate	Earned a Level 1 or Level 2 certificate in any workforce education area through the college			Certificate earned while in high school Pharm Tech Program (Level 1)	
Career & Technical Education (CTE) Program of Study Completion	Industry Based Certification (IBC) AND earn credits to be a "concentrator" in an aligned Program of Study (PoS).			Complete a CTE Program of Study between Junior High and High School Concentrator - A student completing and passing two or more CTE courses for at least two credits within the same PoS. Completer - a student who completes and passes three or more CTE courses for four or more credits within a PoS. At least one of which must be a level 3 or 4 within the PoS.	Career Ready
Graduate with Completed IEP and Workforce Readiness	Graduate with a graduation code indicating student has completed the IEP and has demonstrated self-employment with self-help skills to maintain employment or has demonstrated mastery of specific employability and self-help skills that do not require public school services			Received graduation type code of 04, 05, 54, or 55	
Special Education Student with Advanced Diploma Plan	A graduate who is identified as receiving special education services during the year of graduation and who has completed an advanced graduation plan.			Diploma Type: Foundation High School Plan with an Endorsement or Foundation High School Plan with a Distinguished Level of Achievement.	
Military Enlistment	Enlistment in the Texas National Guard or US Armed Forces			Student must provide fully signed paperwork as documentation (DD4) Must enlist by December 31st after 12th grade	Military Ready

As a graduation requirement in the state of Texas, students select one of five endorsements to pursue in HS. HS endorsements are fulfilled through selection of electives. Most of our elective courses fall under the Career and Technical Education (CTE) umbrella and CTE courses are grouped into a coherent sequence called a Program of Study (POS). The POS are [hyperlinked](#) on this page to serve as a guide to help students in their course selection. POS help students plan their educational experience based on their interests, college or career goals and allow students to develop the knowledge and skills necessary for a successful transition into skilled employment, advanced training, an associate's degree, a bachelor's degree, or technical certification.

Programs of Study - Concentrator - 2 courses for 2 or more credits in a program of study. Completer - 3 or more courses for four or more credits, including a level 3 or 4 course. We encourage students to explore their interests and to follow the Program of Study to completion.

Endorsements - Students must declare an endorsement and graduate on Foundation HS program with an endorsement. More information regarding specific endorsement information can be found using the link below.

ARTS AND HUMANITIES ENDORSEMENT

1st course in sequence	2nd course in sequence	3rd course in sequence	4th course in sequence
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FINE ARTS—DANCE			
Dance I	Dance II	Dance III	Dance IV

FINE ARTS—MUSIC			
Choir I	Choir II	Choir III	Choir IV
Band I	Band II	Band III	Band IV
Orchestra I	Orchestra II	Orchestra III	Orchestra IV
Additional Music Electives:	Music Appreciation DE	AP Music Theory	

FINE ARTS—THEATRE			
Theatre Arts	Theatre Arts II	Theatre Arts III	Theatre Arts IV
Theatre Production I	Theatre Production II	Theatre Production III	Theatre Production IV
Technical Theatre I	Technical Theatre II	Technical Theatre III	Technical Theatre IV
Musical Theatre I	Musical Theatre II	Musical Theatre III	Musical Theatre IV

FINE ARTS—VISUAL ARTS			
Art I	Art II Digital Arts & Media I	Art III Ceramics	AP Art 3D Design Portfolio
DE Art Appreciation	Art II Ceramics	Art III Digital Art & Media II	AP Art Drawing Portfolio
	Art II Drawing	Art III Drawing	AP Art 2D Design Portfolio
	Art II Fibers	Art III Fibers	AP Art History
	Art II Photography I	Art III Painting	
	Art II Painting	Art III Photography II	
	Art II Sculpture	Art III Sculpture	
	Art II Studio	Art III Studio	

FINE ARTS—GENERAL			
A total of 4 credits in fine arts by choosing from two fine arts areas listed above.			

LANGUAGES OTHER THAN ENGLISH			
Spanish I or DE	Spanish II, APA, or DE	APA Spanish III	AP Spanish IV
French I or DE	French II, APA, or DE	APA French III	AP French IV

SOCIAL STUDIES			
World Geo or APA or AP Human Geography	World History or AP World History	US History, DE or AP	Government, DE Gov A or AP (.5) Economics, DE or AP (.5)
Additional SS electives:			
AP European History	Sociology or DE (.5)	Psychology, DE or AP (.5)	Personal and Financial Literacy (.5)
Special Topic in SS DE - HIST 1301 (.5)	Special Topics in SS DE - Gov 2306 (.5)		

BUSINESS AND INDUSTRY ENDORSEMENT

1st course in sequence	2nd course in sequence	3rd course in sequence	4th course in sequence
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AGRICULTURE, FOOD, & NATURAL RESOURCES—ANIMAL SCIENCE

Animal Science			
Principles of Agriculture, Food, and Natural Resources	Equine Science/Small Animal Management	Livestock Production and/or Advanced Animal Science	Advanced Animal Science or Livestock Production

Animal Science with Certified Vet Assistant Certification			
Principles of Agriculture, Food, and Natural Resources	Equine Science/Small Animal Management or Livestock Production	Vet Med with Lab (JBH 2.0) Advanced Animal Science (JR or SR year)	Practicum in Ag - Vet Med (JBH 2.0)

AGRICULTURE, FOOD, & NATURAL RESOURCES—PLANT SCIENCE

Plant Science			
Principles of Agriculture, Food, and Natural Resources	Floral Design	Advanced Floral Design	Practicum in Ag, Food, & Natural Resources- Floral Design (JBH 2.0)

AGRICULTURE, FOOD, & NATURAL RESOURCES—APPLIED AGRICULTURAL ENGINEERING

Applied Agricultural Engineering			
Principles of Agriculture, Food, and Natural Resources	Ag Mech and Metal and Technology	Ag Structures Design and Fabrication	Ag Equipment Design and Fabrication

ARCHITECTURE & CONSTRUCTION

Carpentry			
Principles of Construction	Construction Tech I (JBH 2.0) or	Construction Tech II (JBH 2.0)	Practicum in Construction Tech (JBH 2.0) Career Prep I (2.0) Extended Career Prep I (3.0)

HVAC & Sheet Metal			
Principles of Construction	HVAC I/Sheet Metal (JBH 2.0)	HVAC II (JBH 2.0)	Practicum in Construction Tech (JBH 2.0) Career Prep I (2.0)

			Extended Career Prep I (3.0)
ARTS, AV TECHNOLOGY & COMMUNICATIONS			
<u>Digital Communications</u>			
Principles of Arts & AV	AV Production I	AV Production II (1.0) or Professional Communications (0.5)	Practicum in AV (2.0)
		AV Production II/ Lab (2.0)	Career Prep I (2.0)
			Extended Career Prep I (3.0)
Design and Multimedia Arts (Fashion,Graphics,and Esports options):			
<u>Esports</u>			
Principles of Arts & AV	Digital Design and Multimedia Production (Esports 1) (Beginning 2024-2025)	Digital Media (Esports 2) (Beginning 2025-2026)	Practicum in Entrepreneurship - Esports (Beginning in 2026-2027)
			Career Prep I (2.0)
			Extended Career Prep I (3.0)
<u>Fashion and Design</u>			
Principles of Arts & AV	Fashion Design I	Fashion Design II/ Lab (2.0)	Practicum in Fashion Design (2.0)
			Career Prep I (2.0)
			Extended Career Prep I (3.0)
<u>Graphics and Design</u>			
Principles of Arts & AV	Graphic Design and Illustration I	Graphic Design and Illustration II (JBH-2.0) 3D Modeling and Animation	Practicum in Graphic Design (JBH - 2.0)
			Career Prep I (2.0)
			Extended Career Prep I (3.0)
ENERGY			
<u>Refining and Chemical Processes</u>			
Foundations of Energy (Beginning 2024-2025)	Introduction to Process Technology (Beginning 2025-2026)	TBD (Beginning 2026-2027)	TBD (Beginning 2027-2028)
INFORMATION TECHNOLOGY			
<u>Networking Systems</u>			
Principles of Information Tech	Computer Maintenance/Lab (JBH 2.0)	Networking/Lab (JBH 2.0)	Practicum in Info Tech (first time taken JBH 2.0)
		Practicum in Info Tech (first time taken JBH 2.0)	Practicum in Info Tech (second time taken JBH 2.0)
			Career Prep I (2.0)
			Extended Career Prep I (3.0)
BUSINESS, MARKETING, & FINANCE			
<u>Accounting Financial Services</u>			
Principles of Business, Marketing & Finance or Money Matters or Business Information Management I or DE	Accounting I or DE Banking & Financial Services	Accounting II or DE	Career Prep I (2.0)
			Extended Career Prep I (3.0)
<u>Business Management</u>			
Principles of Business, Marketing & Finance	Business Information Management I or DE	Global Business (.5)/Virtual Business (.5) Business Management	Career Prep I (2.0)
			Extended Career Prep I (3.0)
<u>Marketing and Sales</u>			
Principles of Business, Marketing & Finance	Sports and Entertainment Marketing (.5)/Virtual Business (.5)	Social Media Marketing (.5)/Advertising (.5)	Career Prep I (2.0)
			Extended Career Prep I (3.0)
HOSPITALITY & TOURISM – CULINARY			
<u>Culinary Arts</u>			
Introduction to Culinary Arts	*Culinary Arts (2.0) *MHS students will take course at JBH	Advanced Culinary Arts (JBH 2.0)	Practicum in Culinary Arts (JBH 2.0)
			Career Prep I (2.0)
			Extended Career Prep I (3.0)
MANUFACTURING			
<u>Manufacturing Technology - AHS ONLY - This Program of Study is being phased out over the next 3 years</u>			
Principles of Manufacturing - Last year offered 2023-2024	Metal Fabrication and Machining I (2.0) - Last year offered 2024-2025	Metal Fab and Machining II (2.0) - Last year offered 2025-2026	Practicum in Manufacturing (2.0) - Last year offered 2026-2027
<u>Welding</u>			
Introduction to Welding	Welding I (JBH 2.0)	Welding II (JBH 2.0)	Practicum in Manufacturing/Welding (JBH 2.0)
			Career Prep I (2.0)
			Extended Career Prep I (3.0)
TRANSPORTATION, DISTRIBUTION, & LOGISTICS			
<u>Automotive Collision</u>			
Automotive Basics	Auto Collision Repair (JBH 2.0)	Auto Paint & Refinishing (JBH2.0)	Practicum in Transportation Systems (JBH 2.0)
			Career Prep I (2.0)
			Extended Career Prep I (3.0)
<u>Automotive Technology</u>			
Automotive Basics	Automotive Tech I (JBH 2.0)	Automotive Tech II (JBH 2.0)	Practicum in Transportation Systems (JBH 2.0)
			Career Prep I (2.0)
			Extended Career Prep I (3.0)
ENGLISH (4 credits) include three levels in one of the following			
	Newspaper II	Newspaper III	Newspaper IV
	Yearbook II	Yearbook III	Yearbook IV
	Debate II	Debate III	Debate IV

PUBLIC SERVICES ENDORSEMENT

1st course in sequence	2nd course in sequence	3rd course in sequence	4th course in sequence
HUMAN SERVICES			
<u>Family and Community Services</u>			
Principles of Human Services	Lifetime Nutrition and Wellness (.5) Human Growth and Development	Lifetime Nutrition and Wellness (.5) Human Growth and Development	Career Prep I (2.0) Extended Career Prep I (3.0)
HUMAN SERVICES - BARBERING & COSMETOLOGY			
<u>Barbering</u>			
		Barbering I (JBH 3.0)	Barbering II (JBH 3.0)
<u>Cosmetology</u>			
		Cosmetology I (2.0) & Principles of Cosmetology Design and Color Theory (1.0) (JBH Total 3.0)	Cosmetology II (JBH 3.0)
HEALTH SCIENCE			
<u>Healthcare Therapeutic WITH CERTIFICATION</u>			
		(Health Science Theory = HST)	Note all practicums for CERTIFICATIONS have a JBH class for Senior Year
Principles of Health Science	Medical Terminology	Health Science Theory OR HST WITH CLINICAL	Practicum in HS - CNA (JBH 2.0) or
	Medical Terminology	Health Science Theory OR HST WITH CLINICAL	Practicum in HS - Dental Assistant (JBH 2.0) or
	Medical Terminology	Health Science Theory OR HST WITH CLINICAL	Practicum in HS - CMA (JBH 2.0) or
	Medical Terminology	Health Science Theory OR HST WITH CLINICAL	Practicum in HS - EMT (JBH 2.0)
	HEALTH SCIENCE THEORY	Practicum in HS - Pharm Tech I DE (JBH 2.0)	Practicum in HS - Pharm Tech II DE (JBH 2.0)
<u>Healthcare Therapeutic</u>			
Principles of Health Science	Medical Terminology	Anatomy and Physiology	Pathophysiology
	Medical Terminology	Medical Microbiology	Pathophysiology
	Medical Terminology	Medical Microbiology	Anatomy and Physiology
		Health Science Theory	Medical Microbiology OR Anatomy and Physiology
LAW AND PUBLIC SERVICE			
<u>Law Enforcement (w/ Certifications)</u>			
Principles of Law & Public Safety	Law Enforcement I	Law Enforcement II /Correctional Services (JBH 2.0) mock trial	Practicum in Law, Public Safety, Corrections & Security - 911 Call Center (JBH 2.0) mock trial
<u>Law Enforcement (w/o Certifications)</u>			
Principles of Law & Public Safety	Law Enforcement I	Criminal Investigations	Forensic Science
EDUCATION & TRAINING			
<u>Teaching and Training</u>			
Principles of Education and Training (Preferred)	Human Growth & Development or DE	Instructional Practice (2.0)	Practicum in Education & Training (2.0)
Principles of Human Services			Career Prep I (2.0) Extended Career Prep I (3.0)
MILITARY SCIENCE-- JROTC (AHS - 4 credits)			
JROTC I	JROTC II	JROTC III	JROTC IV
SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS (STEM) ENDORSEMENT			
1st course in sequence	2nd course in sequence	3rd course in sequence	4th course in sequence
CTE STEM- CYBERSECURITY, COMPUTER SCIENCE, ENGINEERING			
<u>Cybersecurity</u>			
Foundations of Cybersecurity (Preferred Option)	AP Computer Science Principles	AP Computer Science A (2.0)	Cybersecurity Capstone
Principles of Information Technology			
<u>Programming & Software Development</u>			
AP Computer Science Principles	AP Computer Science A (2.0 credits in one class period)	Independent Study in Technology Applications (Game Programming and Design)	Student Choice of STEM electives
<u>Engineering (PLTW)</u>			
Intro to Engineering Design (PLTW)	Civil Engineering and Architecture (PLTW) (APA) or Aerospace Engineering (PLTW) (APA)	Engineering Science (Principles of Engineering-POE for PLTW)(APA)	Engineering Design and Problem Solving (APA)
STEM MATHEMATICS			
Algebra I or APA	Geometry	Math for which Algebra II is prerequisite	Math for which Algebra II is prerequisite
Geometry or APA	Algebra II or APA		
Algebra II or APA	Pre-Cal or APA		
STEM SCIENCE			
Biology I or APA	Chemistry I or APA	Physics or APA	4th science credit
STEM-- COMBINED OPTION			
Algebra II or APA Chemistry or APA Physics or APA or AP	3 additional credits from no more than two of the STEM options listed above	View the tabs at the bottom of this Course Planning guide for a complete listing of Advanced, Dual Enrollment, and AP Math or Science choices.	
MULTIDISCIPLINARY STUDIES ENDORSEMENT			
FOUR advanced courses that prepare a student to enter the workforce successfully or postsecondary education without remediation from within one endorsement area or among endorsement areas that are not in a coherent sequence OR			
FOUR credits in each of the four foundation subject areas to include English IV and Chemistry and/or Physics OR			
FOUR credits in advanced placement or dual credit selected from English, Math, Science, or Social Studies, Economics, Languages other than English or Fine Arts			

STUDENT CLASSIFICATIONS

- Freshman - Less than 6 credits
- Sophomore – Minimum of 6 credits
- Junior – Minimum of 12 credits
- Senior – Minimum of 19 credits

Students will be classified according to their year in high school as long as they meet the above credit criteria. Grade level reclassifications occur after each semester except for senior year.

Early Graduates: Students who have met graduation requirements of Foundation HS Program with an Endorsement may graduate early. Students wishing to graduate early, should notify a counselor in writing. Notification must be submitted by the parent as soon as a decision is made, but no later than the end of the sophomore year to ensure adequate plans can be made to meet graduation requirements. Notification after the sophomore year may result in student being unable to meet all requirements. Students deciding to graduate early may be required to take summer school courses and/or dual enrollment courses. Additional fees are required for summer school initial credit and dual enrollment courses.

[Early Graduation Intent Form \(Student\)](#)

GRADE POINTS & CLASS RANK

All semester grades earned by a student for high school credit with Alvin ISD, transfer grades from an accredited high school, dual credit from Alvin Community College, and/or courses taken for initial credit, except those designated as local credits, are included in figuring grade point average.

AISD Grading Scale

- A = 90-100
- B = 80-89
- C = 70-79
- F = 0-69

[Click here to access the AISD Student Handbook](#) which includes grading guidelines.

GRADE POINT VALUES FOR THE THREE ACADEMIC LEVELS

Number Grade	Advanced Grade Points	Accelerated Grade Points	Average Grade Points
<i>GRADE</i>	<i>No of Points</i>	<i>No of Points</i>	<i>No of Points</i>
100	8.0	7.0	6.0
99	7.9	6.9	5.9
98	7.8	6.8	5.8
97	7.7	6.7	5.7
96	7.6	6.6	5.6
95	7.5	6.5	5.5
94	7.4	6.4	5.4
93	7.3	6.3	5.3
92	7.2	6.2	5.2

91	7.1	6.1	5.1
90	7.0	6.0	5.0
89	6.9	5.9	4.9
88	6.8	5.8	4.8
87	6.7	5.7	4.7
86	6.6	5.6	4.6
85	6.5	5.5	4.5
84	6.4	5.4	4.4
83	6.3	5.3	4.3
82	6.2	5.2	4.2
81	6.1	5.1	4.1
80	6.0	5.0	4.0
79	5.9	4.9	3.9
78	5.8	4.8	3.8
77	5.7	4.7	3.7
76	5.6	4.6	3.6
75	5.5	4.5	3.5
74	5.4	4.4	3.4
73	5.3	4.3	3.3
72	5.2	4.2	3.2
71	5.1	4.1	3.1
70	5.0	4.0	3.0
Below 70	0.0	0.0	0.0

Students in the class of 2018-2023

The 6.0 weighted grade point average will be used to determine class rank. Grade points will be awarded once each semester for each course. One, two or three credit courses will receive the same number of grade points per semester as a one-half credit course.

Beginning with the class of 2024

The 6.0 weighted grade point average will be used to determine class rank. Grade points are assigned each semester to GPA eligible courses based on the number of periods the course is assigned in the student schedule.

Beginning with the class of 2025

Courses taken in Junior High for high school credit will receive credit but no points towards GPA. The district shall include in the calculation of class rank semester grades earned in high school credit courses taken in grades 9-12 only (begins summer after 8th grade promotion).

[GPA Waivers](#)

Beginning with the class of 2023, junior and senior students may waive up to two qualifying electives per year. For a list of courses and procedures for filing for a waiver, see the GPA Waiver Form. hyperlinked above.

[GPA Waiver FAQs](#)

Valedictorian and Salutatorian

The valedictorian and salutatorian shall be the eligible students with the highest and second- highest ranking, respectively. To be eligible for such recognition this local graduation honor, a student must:

1. Have been continuously enrolled in the same high school in the District for the four regular semesters immediately preceding graduation; and
2. Have completed the foundation program with endorsement and the distinguished level of achievement; and
3. Shall not graduate in less than eight semesters.

Early graduates shall earn any other distinction for graduation including top ten graduate, top 10% (or other as specified by certain universities), or top graduates for academic excellence banquet.

Advanced Academics

There are three levels of instruction at the AISD high school campuses: Advanced Level (AP) courses, Accelerated Level (APA and DE), and Average. The Accelerated Level includes Dual Enrollment (DE) and Alvin Pathway to Advancement Courses (APA - formerly known as PAP).

AISD Pathway to Advancement (APA) courses

The APA, AP, and Dual Enrollment courses are designed to cover the content of the average courses with sufficient enrichment materials to adequately challenge the above-average student. A student placed in an accelerated (APA or Dual Enrollment) or AP course is enrolled because of exceptional achievement in a particular area as indicated by test records, high motivation, teacher recommendation, grade achievement, and interest.

The average courses provide the subject content that is required for the average student and are college preparatory courses.

Levels of instruction should be chosen carefully with the advice of teachers and school counselors. A student who has been in average courses may find it difficult to do the work required of him/her in an accelerated or advanced course. Level changes will be made in accordance with the Alvin ISD Advanced Academics Agreement (High School). The Alvin ISD Advanced Academics Agreement (High School) will be available for student and parent signatures each year in Skyward.

[Alvin ISD Advanced Academics Agreement - High School](#)

By selecting an APA or AP course the parent and student agree to the following:

1. The course requires a time commitment outside of class to support the accelerated and/or integrated learning experiences.
2. The student will actively participate and put forth their best effort in their classes.
3. If the student falls behind, the student will notify the teacher to develop a plan for success.
4. The student understands that they will need to complete work outside of class to support the course work design.
5. The parent understands that APA and AP courses are rigorous and challenging courses that require study time outside of class and agrees to support their child in this work.
6. The parent agrees to notify the teacher and work in partnership to develop a plan to ensure their child's success if I have any concerns relating to their child's progress.
7. For AP Students only: the parent understands that they may be responsible for all AP testing fees incurred by their child(ren), including the fees for ordering tests after the College Board deadlines and/or not taking an ordered exam.
8. Students requesting a course change will have from the beginning of the 7th week until the end of the 9th week to complete the course change request process.
9. Course changes will only be made based on educational need, per campus administration, if space is available in the course.
10. Change requests for courses without an equivalent lower-level are not permitted after the first two weeks of the fall semester. Students demonstrating educational need to change may have to wait until the spring semester in order to change to a different, semester-long course.

Accelerated / Advanced Placement Course Offerings

Accelerated level (APA and Dual Enrollment)

Academic Decathlon I	DE French I (FREN 1411)	DE Spanish IV (SPAN 2312 or 2315)
Academic Decathlon II	DE French II (FREN 1412)	DE SS Advance Studies (Government B) (Texas Government - GOVT 2306)
Advanced SAT Prep	DE French III (FREN 2311)	DE Special Topics in SS (Microeconomics II) (ECON 2302)
Algebra I APA	DE French IV (FREN 2312)	DE Special Topics in SS (Philosophy) (PHIL 1301)
Algebra II APA	DE Human Growth and Development (PSYC 2314)	DE US History A (U.S. History I - HIST 1301)
Biology APA	DE Independent Study in Math (Calculus) (MATH 2413)	DE Statistics (MATH 1342)
Chemistry APA	DE Independent Study in Math (Calculus for Business & Social Sciences) (MATH 1325)	DE Theater Arts I (DRAM 1310/1351)
Civil Engineering & Architecture	DE Independent Study in Math (College Algebra) (MATH 1314)	DE U.S. History B (U.S. History II - HIST 1302)
DE Accounting I (ACCT 2301)	DE Independent Study in Math (Math for Business/Social) (MATH 1324)	DE U.S. Government A (Federal Government - GOVT 2305)
DE Accounting II (ACCT 2302)	DE Independent Study in Speech COMM 1307)	Engineering Design & Development
DE Anatomy & Physiology (BIOL 2401/2402)	DE Music Appreciation (MUSI 1306)	Engineering Science
DE Art Appreciation (ARTS 1301)	DE Physics (or Scientific Research and Design) (PHYSICS 1401/1402)	English I APA
DE Astronomy (ASTR 1403/1404)	DE Practicum in Health Science Pharm Tech I (PHARM 1301/1309/1305/1315/1347/1441)	English II APA
DE Business Info Management I (BCIS 1305)	DE Practicum in Health Science Pharm Tech II (PHARM 1413/1449/1345/1243/1261)	French II APA
DE Business Management (BUSI 1301)	DE Practicum in Health Science ECA/EMT (EMSP 1205/1160/1501)	French III APA
DE Chemistry (or Scientific Research and Design) (CHEM 1411/1412)	DE Pre-Calculus (MATH 2412)	Geometry APA
DE College Transitions (PSYC 1300)	DE Psychology (PSYC 2301)	Physics APA

DE Communication Applications (SPCH 1315)	DE Scientific Research and Design and Scientific Research and Design II (Biology) (BIOL 1406/1407)	Pre-Calculus APA
DE Economics (ECON 2301)	DE Sociology (SOCL 1301)	Spanish II APA
DE English III (ENGL 1301/1302)	DE Spanish I (SPAN 1411)	Spanish III APA
DE English IV (ENG 1301/1302 or 2322/2323)	DE Spanish II (SPAN 1412)	World Geography Studies APA
DE Environmental Systems (GEOL 1405)	DE Spanish III (SPAN 2311 or 2313)	World History Studies APA

Advanced Level (AP)

		AP Pre-Calculus
*Academic Decathlon III	AP Computer Science Principles	AP Psychology
*Academic Decathlon IV	AP English III	AP Research (AP Capstone 2)
AP Art Drawing Portfolio	AP English IV	AP Seminar (AP Capstone 1)
AP Art 2-D Design Portfolio	AP Environmental Science	AP Spanish IV
AP Art 3-D Design Portfolio	AP European History	AP Spanish V
AP Art History	AP French IV	AP Statistics
AP Biology	AP Human Geography	AP U.S. Gov't & Politics
AP Calculus AB	AP Macroeconomics	AP U.S. History
AP Calculus BC	AP Music Theory	AP World History: Modern
AP Chemistry	AP Physics I	*Game Programming and Design (Independent Studies in Technology Applications)
AP Computer Science A (2.0)	AP Physics C	*National Merit Review Program

*Not College Board Sanctioned AP Course.

DUAL ENROLLMENT

Alvin ISD has a partnership agreement (MOU) with Alvin Community College which offers qualified students the opportunity to earn college credits while attending high school. Students will be awarded high school credit for college courses that are taken or transferred from ACC only. AISD will accept transfer credit from another high school for any college courses transcribed on the transferring high school transcript if the college course is in our ACC MOU.

DUAL ENROLLMENT - Alvin Community College

(Note: Some information is provided by Alvin Community College)

Benefits

- Students maximize their high school years by selecting courses which will count as credit for both Alvin ISD and college.
- Parents receive huge savings by paying lower college tuition at the \$25 per credit rate + \$30 registration fee. In addition, tuition is waived for students enrolled in ACC DE technical courses.
- Students have the benefits of college and career counseling from the ACC Academic Advisor for the Dual Enrollment Program on the high school campus.
- The opportunity to earn an high school diploma and an Associate of Arts in General Studies Degree at the same time by successfully completing all required courses. Students interested in the Dual Degree program (graduating with the associate's degree) must meet directly with the ACC High School Advisor to declare the program and receive advising to completion.
- Students can potentially graduate with their Bachelor's degree up to two years ahead of their peers, putting them in the job market earlier.

Student Expectations

The Dual Enrollment program is a rigorous program that will require extra time and dedication to academic studies. The successful Dual Enrollment candidate should make above average grades, be highly motivated, possess good study skills, be goal oriented, and not be afraid to ask for assistance. Students are expected to be emotionally and intellectually mature and ready for rigorous work, much of which is done outside of class. Students should have a strong work ethic, a positive attitude toward learning, excellent time management, and organizational skills.

College Course Content

Course material taught in college classes develops critical thinking and expands worldviews. The learning environment is intended for mature audiences, so it is likely that Dual Enrollment students will be exposed to concepts and materials designed for post-K12 learning.

Dual Enrollment Admission Information

2024-2025 Application Process ([Printable Version Here](#)):

1. [Complete the ACC Admission Application](#)
2. Take the TSI exam prior to course selection. The exam can be taken on your high school campus or at ACC. Students may qualify for a waiver/exemption (see below).
3. Select an ACC Dual Enrollment College course during the course selection process (after you have taken the TSI exam).
4. Attend Dual Enrollment Orientation over the summer. Visit <https://www.alvincollege.edu/dualenrollment/orientation.html> for dates, times and more information.
5. All Dual Enrollment courses require payment of tuition to Alvin Community College by the posted deadline. Academic courses are \$25 per credit hour + \$30 registration fee; Technical courses are tuition free but may require program specific fees. Tuition & Fees are subject to change and are approved by the ACC Board of Regents.
6. [Purchase the required college textbooks which are available at ACC College Store](#)

NOTE: Students that require accommodations for testing and/or their college courses, must meet with the ACC Office of Student Accessibility Services. Contact the ACC SAS for assistance: 281-756-3533 or SAS@alvincollege.edu.

NOTE: All Dual Enrollment courses that are covered in the ACC/AISD MOU taken at an AISD or ACC location will be transcribed and will count in the students GPA and will affect class rank.

Financial Aid for Swift Transfer (FAST) Funding

Students that were enrolled in the Free and Reduced meal program by October 1, 2023 are eligible for FAST (Financial Aid for Swift Transfer) funding. For more information please visit: <https://www.alvincollege.edu/dualenrollment/FASTinfo.html>

ACC Application and the TSI Requirements must be completed by Priority Deadline June 1, 2024

Note: If you are not sure if you need to take the TSI, or which sections you need, please contact your ACC Dual Enrollment advisor directly.

TSI Scores	Exemptions	Waivers
English Language / ELAR and Essay 945 + and essay of 5 + OR below 945 with diagnostics score of 5 + and essay of 5 +	SAT Reading and Writing (EBRW) – 480 Math – 530	STAAR / EOC English II (level 2 score of 4000) Algebra I (level 2 score of 4000) and 70+ grade in Algebra II
Math 950 or diagnostic score of 6	ACT 23 Composite Score English – 19 and Math – 19	PSAT (NMSQT) Reading & Writing – 460 Math – 510
<i>Duke TIP scores do not apply</i>		



Alvin Community College is an Equal Opportunity Institution. If you have a disability, have questions about accessibility, need assistance or require special accommodations, contact ACC Student Accessibility Services at 281.756.3533 or sas@alvincollege.edu. Accommodations for Dual Enrollment classes will only be provided once the student has registered with ACC Student Accessibility Services.

9/2023

[Dual Enrollment Admission](#)

[TSI Testing Information](#)

Contact your ACC Dual Enrollment Advisors for assistance:

Alvin High School	Ms. Iris Hilliard	281.245.2726	ahsdual@alvincollege.edu ihilliard@alvincollege.edu	CM263
Manvel High School	Ms. Dianne Thompson	281.245.2928	mhsdual@alvincollege.edu	
Shadow Creek High School	Ms. Sharmeal Archie	281.245.3820	schsual@alvincollege.edu sarchie@alvincollege.edu	A141
Iowa Colony High School	Ms. Monica Silvas	713.814.7643	ichsdual@alvincollege.edu msilvas@alvincollege.edu	Counseling Suite

Alvin ISD Dual Enrollment Grade Conversion Chart

Grades are reported for high school purposes to meet the need of reporting progress to parents, but are not aligned with the high school grading policies. The grade reported is the student's current cumulative average in the college course, which may be drastically different from what the student may earn as their final grade. To learn more about how grades are being calculated in the Dual Enrollment college course, students/parents should refer to the Course Syllabus. College course grades are kept in Blackboard not Skyward.

[Course Syllabi](#)

Courses taken at AISD during regular school day

This chart has been put in place to ensure that if a student earns a passing grade in the college course, the AISD numeric grade is likewise recorded at the end of the semester as such on their high school transcript. According to the ACC grading policy 60 - 69 is passing grade of D.

ACC	AISD
60 & 61	70
62 & 63	71

64 & 65	72								
66 & 67	73								
68 & 69	74								
70 & 71	75								
72 & 73	76								
74 & 75	77								
76 & 77	78								
78 & 79	79								

Courses taken at an ACC administered location (Not at AISD during regular school day)

AISD students taking courses at ACC will receive the standard alpha grade assigned by the college. At the end of each semester ACC will submit to AISD a list of all students taking courses at an ACC location which will include their letter grade. All courses that are covered in the ACC/AISD MOU will be transcribed on the students' transcript according to the chart below.

ACC	AISD								
A	95								
B	85								
C	77								
D	72								
F	65								

Alvin ISD / Alvin Community College Crosswalk 2024-2025

Dual Enrollment Academic

These are Core or Field of Study courses that are guaranteed to transfer to any Texas Public College or University with a grade C or higher; however transferability is subject to the students intended major. Students must take all three sections of the TSI exam for admissions unless qualifying with a waiver or exemption prior to selecting a college course.

Dual Enrollment Technical

These courses generally do not transfer to a 4 year university, but are instrumental in completing a industry certification or a technical degree at Alvin Community College. Students are not required to take the TSI for enrollment in ACC technical courses.

ACADEMIC CREDIT

AISD Course Name	High School Credit	Semesters/ Periods	Location Taught	Grade Level	ACC #	ACC Course Name	ACC Credit	TSI/Pre-Req
Accounting I	1	1/1	AISD	10-12	ACCT 2301	Principles of Financial Accounting	Academic	Math
Accounting II	1	1/1	AISD	10-12	ACCT 2302	Principles of Managerial Accounting	Academic	ACCT 2301
Anatomy & Physiology	1		ACC	12	BIOL 2401/2402	Anatomy & Physiology I & II	Academic	Reading
Art I, Art Appreciation	1	1/1	AISD	9-12	ARTS 1301	Art Appreciation	Academic	Reading/Writing
Astronomy	1		ACC	12	ASTR 1403/1404	Stars & Galaxies/Solar System	Academic	Admission Only
Business Info Management I	1	1/1	AISD	9-12	BCIS 1305	Business Computer Applications	Academic	Admission Only
Business Management	1		ACC	11-12	BUSI 1301	Business Principles	Academic	Admission Only
Chemistry (or Scientific Research and Design)	1		ACC	12	CHEM 1411/1412	General Chemistry I & I	Academic	Math MATH 1314
College Transitions	1	1/1	AISD	9-12	PSYC 1300	Learning Frameworks	Academic	Admission Only
Communication Applications	0.5	1/1	AISD	10-12	SPCH 1315	Public Speaking	Academic	Reading
Economics	0.5	1/1	AISD	11-12	ECON 2301	Principles of Macroeconomics	Academic	Reading/Writing
English III A & B	1	2/1	AISD	11	ENGL 1301/1302	Composition I & II	Academic	Reading/Writing
English IV A & B	1	2/1	AISD	12	ENGL 1301/1302	Composition I & II	Academic	Reading/Writing
English IV A & B	1	2/1	AISD	12	ENGL 2322/2323	British Literature I & II	Academic	Reading/Writing
Environmental Systems	1		ACC	12	GEOL 1405	Environmental Science	Academic	Reading/Writing
French I	1	1/1	AISD	9-12	FREN 1411	Beginning French I	Academic	Admission Only
French II	1	1/1	AISD	9-12	FREN 1412	Beginning French II	Academic	FREN 1411 C+
French III	1		ACC	9-12	FREN 2311	Intermediate French I	Academic	FREN 1412 C+
French IV	1		ACC	9-12	FREN 2312	Intermediate French II	Academic	FREN 2311 C+
Human Growth and Development	1	1/1	AISD	10-12	PSYC 2314	Life-Span Growth & Development	Academic	Reading/Writing
Independent Study in Math (Calculus)	1		ACC	11-12	MATH 2413	Calculus I	Academic	MATH 2412
Independent Study in Math (Calculus for Business & Social Sciences)	1	1/1	AISD	11-12	MATH 1325	Calculus for Business & Social Science	Academic	MATH 1314 or MATH 1324
Independent Study in Math (College Algebra)	1	1/1	AISD	10-12	MATH 1314	College Algebra	Academic	Math
Independent Study in Math (Math for Business & Social Sciences)	1	1/1	AISD	11-12	MATH 1324	Math for Business & Social Science	Academic	Math
Advanced Quantitative Reasoning	1	1/1	AISD	11-12	MATH 1332	Quantitative Reasoning	Academic	Math
Independent Study in Speech	0.5	1/1	AISD	9-12	COMM 1307	Intro to Mass Communications	Academic	Admission Only
Music Studies, Music Appreciation I	1	1/1	AISD	9-12	MUSI 1306	Music Appreciation	Academic	TSI See Advisor
Physics (or Scientific Research and Design)	1		ACC	12	PHYSICS 1401/1402	College Physics I & II	Academic	Reading MATH 2412
Precalculus	1	1/1	AISD	11-12	MATH 2412	Pre-Calculus Math	Academic	MATH 1314
Psychology	0.5	1/1	AISD	10-12	PSYC 2301	General Psychology	Academic	Reading/Writing
Scientific Research and Design/ Scientific Research and Design II (Biology)	2	2/2	AISD	12	BIOL 1406/1407	Biology for Science Majors I & II	Academic	Reading
Sociology	0.5	1/1	AISD	11-12	SOCI 1301	Introduction to Sociology	Academic	Reading/Writing
Spanish I	1	1/1	AISD	9-12	SPAN 1411	Beginning Spanish I	Academic	Admission Only
Spanish II	1	1/1	AISD	9-12	SPAN 1412	Beginning Spanish II	Academic	SPAN 1411 C +
Spanish III	1	1/1	AISD	9-12	SPAN 2311	Intermediate Spanish I	Academic	SPAN 1412 C+
Spanish III	1		ACC	9-12	SPAN 2313	Spanish for Native/Heritage Speakers I	Academic	Dept Permission
Spanish IV	1		ACC	9-12	SPAN 2312	Intermediate Spanish II	Academic	SPAN 2311 C+
Spanish IV	1		ACC	9-12	SPAN 2315	Spanish for Native/Heritage Speakers II	Academic	SPAN 2313 C+ or Dept Permission
Special Topics in SS (Government B - does not satisfy graduation requirement)	0.5	1/1	AISD	11-12	GOVT 2306	Texas Government	Academic	Reading/Writing
Special Topics in SS (Microeconomics II - does not satisfy graduation requirement)	0.5		ACC	11-12	ECON 2302	Principles on Microeconomics II	Academic	Reading/Writing
Special Topics in SS (Philosophy)	0.5		ACC	11-12	PHIL 1301	Introduction to Philosophy	Academic	Reading/Writing
Statistics	1	1/1	AISD	11-12	MATH 1342	Elementary Statistical Methods	Academic	TSI Met Math
Theatre I, Theater Arts I	1		ACC	9-12	DRAM 1310/1351	Intro to Theater & Acting	Academic	TSI See Advisor
U.S. History Since 1877	1	2/1	AISD	11-12	HIST 1301/1302	U.S. History I & II	Academic	Reading/Writing
United States Government	0.5	1/1	AISD	11-12	GOVT 2305	Federal Government	Academic	Reading/Writing

TECHNICAL CREDIT

* *Technical credit is highly specialized coursework and training designed to enter the workforce. Technical credit may not transfer to four year institutions; student must verify transferability with their college of choice.*

ECA/EMT Basics for State Certifications

Practicum in Health Science (ECA/EMT)	2	2/2	JBH	12	EMSP 1205/1160/1501	ECA/Clinical - EMT Basic/ EMT Basic	Technical	No TSI Needed
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Pharmacy Tech Certificate

Practicum in Health Science (Phar Tech I)	2	2/2	JBH	11-12	PHAR 1301/1309/ 1305/1315/1347/1441	Intro to Pharm/ Pharm Math I/ Drug Classification/ Pharm Terminology/ Pharm Math II/ Pharm Drug Therapy & Treatment	Technical	No TSI Needed
Practicum in Health Science (Phar Tech II)	2	2/2	JBH	12	PHAR 1413/1449 1345/1243/1261	Community Pharm Practice/ Institutional Pharm Practice/Compounding Sterile Prep/Pharm Tech Cert Review/Clinical I Pharm Technician	Technical	No TSI Needed

Culinary Arts and Welding Technology Articulated Agreement Programs

Alvin Community College and Alvin ISD are committed to providing programs that build on prior learning experiences and eliminate instruction duplication. ACC and AISD have formed articulated agreements in the programs of Culinary Arts and Welding which means after successful completion of the designated courses in high school, students who enroll in ACC and wish to continue the designated technical program will receive the credits for the articulated courses on their college transcript.

ACC Admissions and Records Office will be responsible for evaluating official high school transcript and requested articulated credit. Students will not be charged tuition or fees for credits earned under this agreement.

After designated course completion and high school graduation, the student must:

Meet all ACC admission requirements to be eligible for program continuation or credit via articulation.

Enroll in ACC within 24 months of high school graduation.

Successfully complete, as least one three semester credit hour before articulated credits will be applies to their ACC Transcript.

Successfully completed each specified high school course with an end-of-course overall average of 80 or better in order for ACC credit to be awarded.

Culinary Arts - Articulated Credit				Welding Technology - Articulated Credit			
Secondary Course	Secondary Credit to Be Awarded	ACC Equivalent	Credit to Be Awarded	Secondary Course	Secondary Credit to Be Awarded	ACC Equivalent	Credit to Be Awarded
Advanced Culinary Arts	2	IFWA 1401 Food Preparation	4	Introduction to Welding	1	WLDG 1323 Welding Safety, Tools, and Equipment	3
		PSTR 1301 Fundamentals in Baking	3	Welding I	2	WLDG 1200 Introduction to Welding	2
Practicum in Culinary Arts	2	CHEF 2301 Intermediate Food Preparation	3	Welding II	2		
		HAMG 1321 Introduction to Hospitality Industry	3				

This section of the course guide is quite lengthy. If you are looking for something specific, try doing a search. **Push control (CTRL) F**, a "find in sheet" box will appear on the top right. Enter the word you are searching (i.e. Culinary) and it will show you all the places "Culinary" appears in the document.

You may also use the links provided directly below "Course Descriptions" to be taken directly to a specific section of the Course Guide. Hover over the link or click the link then click the arrow that appears to be taken to your selection.

[Students interested in courses at JB Hensler College and Career Academy must fill out a required student interest form.](#)

Staff Use Only: [CTE Quick Guide for Counselors](#)

COURSE DESCRIPTIONS

[English Language Arts/Reading](#)

[Journalism Newspaper Yearbook](#)

[Speech](#)

[Math](#)

[Science](#)

[Social Studies](#)

[Languages Other Than English \(LOTE\)](#)

[Fine Arts](#)

[Physical Education, Athletics](#)

[CTE - Agriculture, Food and Natural Resources](#)

[CTE - Arts, Audio/Video Technology and Communications](#)

[CTE - Business, Marketing and Finance](#)

[CTE - Career Development](#)

[CTE Construction](#)

[CTE - Education and Training](#)

[CTE - Energy and Manufacturing](#)

[CTE - Engineering](#)

[CTE - Health Science](#)

[CTE - Hospitality and Tourism](#)

[CTE - Human Services](#)

[CTE - Information Technology](#)

[CTE - Law, Public Safety and Corrections](#)

[CTE - Manufacturing](#)

[CTE - STEM Engineering \(PLTW\)](#)

[CTE - STEM Computer Science](#)

[CTE - Transportation, Distribution and Logistics](#)

[Other Electives](#)

ENGLISH LANGUAGE ARTS/READING

ENGLISH I (ENG1)

Semesters: 2 Credit: 1

English I is designed to improve communication skills through a variety of reading and writing opportunities. Content includes a comprehensive grammar review, vocabulary work, and literary appreciation and terminology.

ESOL I (ESOL1)

Semesters: 2 Credit: 1

This course is required for non-English speakers or students who are at the Beginning or Intermediate level of English language Proficiency. This course is designed to accelerate the English Language Acquisition skills, written and oral communication, and reading comprehension.

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ENGLISH I APA (ENG1H)

Semesters: 2 Credit: 1

Prerequisite: Summer reading required

This is a college preparatory course stressing advanced literary analysis, composition, grammar, vocabulary, and class discussion. Students who take this course must be willing and able to meet the fast-paced and rigorous curriculum, which requires summer reading and extensive reading and writing throughout the year.

ENGLISH II (ENG2)

Semesters: 2 Credit: 1

English II students continue to increase and refine their communication skills through writing and reading. The course focuses on effective composition development and includes a comprehensive study of grammar as well as the close reading of select texts.

ESOL II (ESOL2)

Semesters: 2 Credit: 1

Prerequisite: Placement by LPAC Committee

This course is required for non-English speakers or students who are at the Beginning or Intermediate level of English language Proficiency. This course is designed to accelerate the English Language Acquisition skills, written and oral communication, and reading comprehension.

ENGLISH II APA (ENG2H)

Semesters: 2 Credit: 1

Prerequisite: Summer reading required

This is a college preparatory course stressing advanced literary analysis, composition, grammar, vocabulary, and class discussion. Extensive reading and research are required of the self-motivated student who may later follow the Advanced Placement tract.

ENGLISH II APA WITH AP SEMINAR (ENG2HS/SEMP)

Semesters: 2 Credit: 2 Grades: 10-12

Prerequisite: English I and Algebra I and Summer Reading Required

This course combines the expectations and standards of English II APA and AP Seminar and qualifies as a student's English II credit. The AP Seminar elements of the course provide a rigorous foundation for future AP coursework as the curriculum is focused on research and critical thinking skills. Students will gain skills through individual research, team presentation using multiple technologies, individual argumentative essays, oral defense of individual presentations, and a formal written exam. *This course can be taken as an alternative to a traditional English II APA course for students looking to prepare for future AP coursework through this challenging class. GPA will only be calculated using the grade for AP Seminar.

ENGLISH III (ENG3)

Semesters: 2 Credit: 1

English III is designed to offer students a curriculum rich in the integrated study of grammar, vocabulary, communication, research, and a component of American literature.

ENGLISH III AP LANGUAGE (ENG3P)

Semesters: 2 Credit: 1

Prerequisite: Summer reading required

This college-level course is designed to prepare students for advanced placement and/or credit in college. Focusing mainly on rhetoric, students write frequently and analyze the styles of various authors.

ENGLISH III DE (ENG3DA/ENG3DB) (ACC - ENGL1301/1302)

Semesters: 2 Credit: 1 Grade: 11

Prerequisite: See ACC's Dual Enrollment/Dual Degree; TSI Testing Requirements

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ENGL 1301 - Intensive study of and practice in writing process, from intervention and researching to drafting, revising and editing, both individually and collaboratively.

ENGL 1302 – Must complete ENGL 1301. Intensive study of and practice in the strategies and techniques for developing research-based expository and persuasive texts.

ENGLISH IV (ENG4)

Semesters: 2 Credit: 1

This course is designed to refine both communication and research skills. Students will read and respond to various texts which include a component of British literature.

COLLEGE PREPARATORY ENGLISH (CPE)

Semesters: 2 Credit: 1 Grade: 12

Prerequisite: Selection for this course is by administrative appointment only

This course is designed to prepare students for college-level English in demonstration of their capacity for developmental reading and writing. This course is only for 12th grade students graduating on a foundation plan.

**Per SBOE rule this is one of the approved Foundation Advanced Courses and may count as advanced English.*

ENGLISH IV AP LITERATURE (ENG4P)

Semesters: 2 Credit: 1

Prerequisite: Summer reading required

This college-level course requires students to demonstrate the ability to critically read and analyze a range of literature from all genres and historical periods.

ENGLISH IV DE (ENG4DA/ENG4DB) (ACC - ENGL 1301/1302)

Semesters: 2 Credit: 1 Grade: 12

Prerequisite: English III. See ACC's Dual Enrollment/Dual Degree; TSI Testing Requirements

ENGL 1301 - Intensive study of and practice in writing process, from intervention and researching to drafting, revising and editing, both individually and collaboratively.

ENGL 1302 – Must complete ENGL 1301. Intensive study of and practice in the strategies and techniques for developing research-based expository and persuasive texts.

ENGLISH IV DE (EN4D2A/EN4D2B) (ACC - ENGL 2322/2323)

Semesters: 2 Credit: 1 Grade: 12

Prerequisite: English III. See ACC's Dual Enrollment/Dual Degree; TSI Testing Requirements

English 2322 (Survey of English Literature I)-This course covers British literature from its beginning to the eighteenth century. Collateral reading and reports are required.

English 2323 (Survey of English Literature II) This course is a study of British literature from the Romantic Period to present. Collateral reading and reports are required.

SEMINAR AP (AP Capstone Year One) (SEMP)

Semesters: 2 Credit: 1 Grades: 10-12

Prerequisite: English I and Algebra I

AP Seminar is a foundations course that focuses on research methodology and critical thinking skills, with students examining real world issues in a cross-curricular format. Students will gain skills in individual research, team presentations using multiple technologies, individual argumentative essays, oral defense of individual presentations, as well as a formal written exam. The topics of the course will vary per year depending on current world issues and the preferences of the teacher and students.

RESEARCH AP (AP Capstone Year Two) (RESP)

Semesters: 2 Credit: 1 Grades: 11-12

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Prerequisite: AP Seminar – (AP Capstone Year One)

AP Research allows students to focus on a yearlong research based topic chosen by the student. Students will further their understanding of research methodology using a mentor based inquiry and investigation model. The course is completed by a mentored academic thesis paper complemented by a presentation, performance, or exhibition as well as an oral defense of their research.

LANGUAGE ACQUISITION - ESOL (LACQ)

Semesters: 2 Credit: 1

Prerequisite: Placement

The Language Acquisition course is designed to assist newcomer students whose first language is other than English and for students that are at the beginning level of English proficiency. Students in this course will receive intensive English Language support and will prepare them to succeed in the American public school system.

PRACTICAL WRITING ESOL (PW)

Semesters: 2 Credit: 1

Prerequisite: Placement

This course is for English Language Learners who are at the Intermediate level of English proficiency. This course emphasizes skills use of the conventions and mechanics of written English, the appropriate and effective application of English grammar and use of vocabulary.

READING I (ESL I) (RESL1)

Semesters: 2 Credit: 1

Prerequisite: Placement

This course is required for non-English speakers or students who are at the Beginning level of English language Proficiency. This course is will be taken with ENG I SOL and Language Acquisition. This course is designed to accelerate the English Reading comprehension.

READING II (ESL II) (RESL2)

Semesters: 2 Credit: 1

Prerequisite: Placement

This course is required for students who are at the Intermediate level of English language Proficiency. This course will be taken with ESOL II and Practical Writing. It is designed to accelerate English Reading comprehension with emphasis on Reading in the content areas (nonfiction) and strategies for analyzing complex texts.

JOURNALISM, NEWSPAPER, YEARBOOK

JOURNALISM (JOURN)

Semesters: 2 Credit: 1

This course is designed to provide an overview of journalistic writing by developing skills in writing news articles, features, editorials, and sports. Two semesters must be taken consecutively.

YEARBOOK I (YRBK1)

Semesters: 2 Credit: 1

This course is organized for the purpose of creating and editing the school yearbook.

YEARBOOK II (YRBK2)

Semesters: 2 Credit: 1 Grades: 10-12

Prerequisite: Yearbook I

This course is a continuation of Yearbook I in which students will create and edit the school yearbook.

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YEARBOOK III (YRBK3)

Semesters: 2 Credit 1 Grades: 11-12

Prerequisite: Yearbook II

This is a continuation of Yearbook II in which students will create and edit the school yearbook.

**Per SBOE rule this is one of the approved Foundation Advanced Courses and may count as advanced English.*

NEWSPAPER I (NP1)

Semesters: 2 Credit: 1

This course is designed as a newspaper production lab, which provides an in-depth study of the principles presented in Journalism 1611. Students will produce the school newspaper on a regular basis.

NEWSPAPER II (NP2)

Semesters: 2 Credit: 1 Grades: 10-12

Prerequisite: Newspaper I

This course is a continuation of Newspaper I. Students will produce the school newspaper and take on additional leadership responsibilities.

NEWSPAPER III (NP3)

Semesters: 2 Credit: 1 Grades: 11-12

Prerequisite: Newspaper II

This course is a continuation of Newspaper II. Students will produce the school newspaper and take on additional leadership responsibilities.

**Per SBOE rule this is one of the approved Foundation Advanced Courses and may count as advanced English.*

SPEECH

COMMUNICATION APPLICATIONS DE (SPDC) (ACC - SPCH1315)

Semester: 1 Credit: .5 Grades: 10-12

Prerequisite: TSI Met Reading. See ACC's Dual Enrollment Steps for instructions.

This course concentrates on the methods of organization and the techniques of delivery of the platform speech, with emphasis on explanation and persuasion.

DEBATE I (DEB1)

Semesters: 2 Credit: 1

Students will learn the following: statement of propositions, analysis of argumentation, types of reasoning, methods of research and documentation, organization through outline, affirmative and negative positions, and evaluating a variety of cases. Note: This course satisfies the Communication Application credit.

DEBATE II (DEB2)

Semesters: 2 Credit: 1 Grades: 10-12

Prerequisite: Debate I

Debate II will further the skills of a debater. These students will do research in cross-examination and/or Lincoln-Douglas Debate, and Extemporaneous Speaking, both Informative and Persuasive. These students will be expected to compete in invitational tournaments and UIL District Competition.

DEBATE III (DEB3)

Semesters: 2 Credit: 1 Grades: 11-12

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Prerequisite: Debate II

Debate III is a continuation of Debate II and will further the skills of a debater.

**Per SBOE rule this is one of the approved Foundation Advanced Courses and may count as advanced English.*

MATH

[Recommended Math Course Sequences](#)

ALGEBRA I (ALG1)

Semesters: 2 Credit: 1

Prerequisite: 8th grade Mathematics

This course will explore linear, quadratic, and exponential functions along with their related transformations, equations, and associated solutions in both mathematical and real-world situations using a variety of tools, representations, and technology. Students will also investigate polynomials of degree one and two, radical expressions, sequences, and laws of exponents.

ALGEBRA I APA (ALG1H)

Semesters: 2 Credit: 1

Prerequisite: 8th grade Mathematics

This is a college-preparatory course includes all study topics in Algebra I in more depth and further develops the skills, habits of mind, and concepts needed to succeed in future advanced math courses.

GEOMETRY (GEOM)

Semesters: 2 Credit: 1

Prerequisite: Algebra I

This course will explore concepts covering coordinate and transformational geometry; logical argument and constructions; proof and congruence; similarity, proof, and trigonometry; two- and three-dimensional figures; circles; and probability. Within the course, students will begin to focus on more precise terminology, symbolic representations, and the development of proofs.

GEOMETRY APA (GEOMH)

Semesters: 2 Credit: 1

Prerequisite: Algebra I

This is a college-preparatory course that includes all study topics in Geometry in more depth and develops the skills, habits of mind, and concepts needed to succeed in future advanced math courses.

ALGEBRAIC REASONING (AR)

Semesters: 2 Credit: 1

Prerequisite: Algebra I

This course is designed for students who have achieved minimum proficiency in Algebra 1 or who have not passed the Algebra 1 STAAR EOC. Students will broaden their knowledge of functions and relationships, including linear, quadratic, square root, rational, cubic, cube root, exponential, absolute value, and logarithmic functions. Students will study these functions through analysis and application that includes explorations of patterns and structure, number and algebraic methods, and modeling from data using tools that build to workforce and college readiness such as probes, measurement tools, and software tools, including spreadsheets.

MATH MODELS WITH APPLICATIONS (MMA)

Semesters: 2 Credit: 1

Prerequisite: Algebra I

In this course, students will apply mathematics through experiences in personal finance, science, engineering, fine arts, and social sciences. Learners use algebraic, graphical, and geometric reasoning to recognize patterns and structure, model information, solve problems, and communicate solutions.

Note: Course offered by each campus in special circumstances. See the campus Associate Principal or Counselor for details.

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ALGEBRA II (ALG2)

Semesters: 2 Credit 1

Prerequisite: Algebra I

This course will explore logarithmic, square root, cubic, cube root, absolute value, rational functions, and their related equations. Students will connect functions to their inverses and associated equations and solutions in both mathematical and real-world situations using a variety of tools, representations and technology.

ALGEBRA II APA (ALG2H)

Semesters: 2 Credit: 1

Prerequisite: Algebra I

This is a college-preparatory course that includes all study topics in Algebra II in more depth and develops the skills, habits of mind, and concepts needed to succeed in future advanced math courses.

ADVANCED QUANTITATIVE REASONING - (AQR)

Semesters: 2 Credit: 1

Prerequisite: Geometry & Algebra II

Course content consists primarily of applications of high school mathematics concepts to prepare students to become well-educated and highly informed 21st century citizens. Students will develop and apply reasoning, planning, and communication to make decisions and solve problems in applied situations involving numerical reasoning, probability, statistical analysis, finance, mathematical selection, and modeling with algebra, geometry, trigonometry, and discrete mathematics

QUANTITATIVE REASONING DE (AQRD) (ACC-Math 1332)

Semesters: 1 Credit: 1

Prerequisite: Algebra I, Geometry, Algebra II, and TSI Met Math. See ACC's Dual Enrollment steps for instructions.

This course is intended for Non-STEM (Science, Technology, Engineering, and Mathematics) majors. Topics include introductory treatments of sets and logic, financial mathematics, probability and 183 statistics with appropriate applications. Number sense, proportional reasoning, estimation, technology, and communication should be embedded throughout the course. Additional topics may be covered.

COLLEGE PREPARATORY MATH (CPM)

Semester: 1 Credit: 1 Grades: 12

Prerequisite: Geometry and Algebra II

This class is an extension of Algebra II topics intended to build skills necessary for the TSI Assessment. Successful scores on the TSI Assessment 2.0 are required for enrollment into DE College Algebra. Students enrolled in College Prep Math in the fall are expected to take the TSIA 2.0 assessment in the fall and enroll in DE College Algebra in the spring.

COLLEGE ALGEBRA DE (ALGDC) (ACC - MATH 1314)

Semester: 1 Credit: 1 Grades: 10-12

Prerequisite: Algebra I, Geometry, Algebra II, and TSI Met Math. See ACC's Dual Enrollment Steps for instructions.

In-depth study and applications of polynomial, rational, radical, exponential and logarithmic functions, and systems of equations using

PRECALCULUS (PCAL)

Semesters: 2 Credit: 1

Prerequisite: Algebra I, Geometry, Algebra II

This course will explore the six trigonometric functions and their inverses, graphs, analytic geometry, and discrete mathematics with emphasis on analyzing polynomial, rational, and logarithmic functions. Additional units of study include conic sections and sequences and series.

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PRECALCULUS AP (PCALP)

Semesters: 2 Credit: 1

Prerequisite: APA Algebra II; recommended APA Geometry

Throughout this course, students develop and hone symbolic manipulation skills needed for future mathematics courses. They also solve equations and manipulate expressions for the many function types throughout the course. Students explore functions including polynomial, rational, logarithmic, exponential, trigonometric, polar, and parametric in addition to vectors and matrices. Students also learn that functions and their compositions, inverses, and transformations are understood through graphical, numerical, verbal, and analytical representations, which reveal different attributes of the functions and are useful for solving problems in mathematical and applied contexts. In turn, the skills learned in this course are widely applicable in a variety of future courses that involve quantitative reasoning.

PRECALCULUS DE (PCALDC) (ACC - MATH 2412)

Semester: 1 Credit: 1 Grades: 11-12

Prerequisite: Math 1314 See ACC's Dual Enrollment Steps for instructions.

This course covers a review of algebraic operations, trigonometric functions, trigonometric identities and equations, applications of trigonometry, exponential and logarithmic functions, and analytic geometry.

MATH BUS/SOC SCI DE (MBSSDC) (ACC - MATH 1324)

Semester: 1 Credit: 1 Grades: 11-12

Prerequisite: TSI Met Math. See ACC's Dual Enrollment Steps for instructions.

Functions; a study of matrices; inequalities; linear programming; quadratic functions; exponential and logarithmic functions; mathematics of finance; and study of probability. Applications in business and economics will be emphasized.

CALCULUS BUS/SOC SCI DE (CBSSDC) (ACC - MATH 1325)

Semester: 1 Credit: 1 Grades: 11-12

Prerequisite: Math 1314 or 1324. See ACC's Dual Enrollment Steps for instructions.

The basic study of limits and continuity, differentiation, optimization and graphing, and integration of elementary functions, with emphasis on application in business, economics, and social sciences.

STATISTICS (STAT)

Semesters: 2 Credit: 1

Prerequisite: Algebra I

Students will broaden their knowledge of variability and statistical processes, study sampling and experimentation, categorical and quantitative data, probability and random variables, inference, and bivariate data. Students will connect data and statistical processes to real-world situations and extend their knowledge of data analysis.

STATISTICS DE (STATD) (ACC - Math 1342)

Semester: 1 Credit: 1 Grades: 11-12

Prerequisite: Algebra I, Geometry, Algebra II, and TSI Met Math. See ACC's Dual Enrollment Steps for instructions.

This course includes collection, analysis, presentation and interpretation of data, and probability. Analysis includes descriptive statistics, correlation and regression, confidence intervals and hypothesis testing. Use of appropriate technology is recommended.

STATISTICS AP (STATP)

Semesters: 2 Credit: 1

Prerequisite: Algebra II or Algebra II APA

AP Statistics is equivalent to a non-calculus based introductory college course in statistics. The course is appropriate for students planning to majors in engineering, business, education, health sciences, social sciences, math or science. Topics to be covered will include types of distributions of data and their uses, types of sampling and their uses, and statistical inference with models. Students will be required to purchase a TI83 graphing calculator.

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CALCULUS AP AB (CALAB)

Semesters: 2 Credit: 1

Prerequisite: Pre-calculus

This course explores topics listed by College Board including limits, differentiation, integration and their applications. It is recommended that a graphing calculator be purchased for this course.

CALCULUS AP BC (CALBC)

Semesters: 2 Credit: 1

Prerequisite: Pre-calculus Recommended for students after successful completion of AP Pre-calculus or AP Calculus AB.

This course is a comprehensive course in single-variable calculus, equivalent to the first year in Calculus at most college and universities. Topics of study include those listed in Calculus AB and additional topics in differential and integral calculus including parametric, polar and vector functions. It is recommended that a graphing calculator be purchased for this course.

SCIENCE

Recommended Science Course Sequences

BIOLOGY (BIO)

Semesters: 2 Credit: 1 Grades: 9-11

Biology will include the study and understanding of life on Earth, homeostasis, energy transformations, growth and development of organisms, hereditary processes, and biodiversity on Earth.

BIOLOGY APA (BIOH)

Semesters: 2 Credit: 1 Grades: 9-11

This course is a college-preparatory course that will include the study and understanding of life on Earth, homeostasis, energy transformations, growth and development of organisms, hereditary processes, and biodiversity on Earth.

INTEGRATED PHYSICS & CHEMISTRY (IPC)

Semesters: 2 Credit: 1 Grades: 9-11

Integrated Physics and Chemistry will include the study force, motion, energy, and matter.

CHEMISTRY (CHEM)

Semesters: 2 Credit: 1 Grades: 10-12

Prerequisite: Algebra I, one unit in high school science, and recommended concurrent enrollment in 2nd math

Chemistry will include a study of matter, use of the Periodic Table, bonding, stoichiometry, solutions chemistry, gas laws, thermochemistry, and nuclear chemistry. It is recommended that students have a scientific or graphing calculator.

CHEMISTRY APA (CHEMH)

Semesters: 2 Credit: 1 Grades: 10-12

Prerequisite: Algebra I, one unit in high school science, and recommended concurrent enrollment in 2nd math

Recommended: Algebra I APA or 80% in Algebra I

This is a college-preparatory course that prepares students for Chemistry AP. APA Chemistry emphasizes the concepts associated with matter, the Periodic Table, bonding, stoichiometry, solutions chemistry, gas laws, thermochemistry, kinetics, electrochemistry, and nuclear chemistry. Extensive mathematical problem solving is required. It is recommended that students have a scientific or graphing calculator.

PHYSICS (PHYS)

Semesters: 2 Credit: 1 Grades: 10-12

Recommended Prerequisite: Algebra I

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Physics I will include the study of force and motion, heat, sound, light, electricity, magnetism, and nuclear physics. This is an Algebra-based class. It is recommended that students have a scientific or graphing calculator.

PHYSICS APA (PHYSH)

Semesters: 2 Credit: 1 Grade 10-12

AIISD Prerequisite: Geometry or concurrent enrollment

Physics APA will include the study of force and motion, heat, sound, light, electricity, magnetism, and nuclear physics. This is an Algebra and Geometry-based class. It is recommended that students have a scientific or graphing calculator.

ASTRONOMY (ASTRO)

Semesters: 2 Credit: 1 Grades: 10-12

Recommended Prerequisite: One unit of high school science

Astronomy is the study of the history and geography of the universe, including an investigation of the planets, moons, stars, comets, meteors, galaxies, and extraterrestrial life.

ADV ANIMAL SCIENCE (1AAS)

Semesters: 2 Credit: 1 Grade: 11-12

Prerequisite: Biology & Chemistry or IPC; Algebra I & Geometry; and either Small Animal Management and Equine Science, or Livestock Production. Satisfies a high school science graduation requirement.

This course examines the interrelatedness of human, scientific, and technological dimensions of livestock production. A minimum of 40% of instructional time will be spent conducting field and laboratory investigations.

Note: Satisfies a science graduation requirement.

ANATOMY & PHYSIOLOGY (AP)

Semesters: 2 Credit: 1 Grades: 10-12

Prerequisite: Biology and a second science credit

Satisfies a science graduation requirement.

This course includes a study of the structure and function of organ systems and the human body. This is lab-oriented and teaches proper dissection techniques as well as various physiological phenomena.

ENGINEERING SCIENCE (PRINCIPLES OF ENGINEERING DESIGN) (PLTW) (APA) (9POE)

Semesters: 2 Credit: 1 Grades: 10-12

Prerequisites: Algebra I, Biology, and Introduction to Engineering Design (IED)

Recommended Prerequisites: Geometry, Integrated Physics and Chemistry (IPC), and one credit in Chemistry or Physics.

This course satisfies a science graduation requirement.

Students will have the opportunity to explore an Engineering career and open their minds to the influences of the career field, and its impact on the world. Students will use a variety of software and technology to create various Engineering designs. This course will receive accelerated grade points.

FORENSIC SCIENCE (FOREN)

Semesters: 2 Credit: 1 Grades: 11-12

Prerequisite: One credit in Biology, One Credit in Chemistry, IPC and Chemistry or Physics

Forensic Science is a lab-based course utilizing the scientific methods, students will collect and analyze evidence through case studies and simulated crime scenes such as fingerprint analysis, ballistics and blood spatter analysis. Students will learn the history, legal aspects, and career options for Forensic Science.

Note: Satisfies a science graduation requirement.

MEDICAL MICROBIOLOGY (MICRO)

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Semester: 2 Credit: 1 Grades: 10-12

Prerequisite: Biology & Chemistry

Satisfies a science graduation requirement

Students in Medical Microbiology explore the microbial world, studying topics such as pathogenic and non-pathogenic microorganisms, laboratory procedures, identifying microorganisms, drug resistant organisms, and emerging diseases.

PATHOPHYSIOLOGY (PATHO)

Semester: 2 Credit: 1 Grades: 11-12

Prerequisite: Biology and Chemistry

Satisfies a science graduation requirement.

Students will study disease processes and how humans are affected. Emphasis is placed on prevention and treatment of disease. Students will differentiate between normal and abnormal physiology.

ENVIRONMENTAL SYSTEMS (ENVS)

Semesters: 2 Credit: 1 Grades: 10-12

Prerequisite: Biology and IPC or Chemistry is recommended

Environmental Systems will be enriched with an aquatic science theme as students examine both terrestrial and aquatic environments and the importance of conservation. This course will include the study of biotic and abiotic components, interrelationships among resources and the environment, the flow of matter and energy, and terrestrial and aquatic environmental changes.

ENVIRONMENTAL SCIENCE AP (ENVP)

Semesters: 2 Credit: 1 Grades: 10-12

Prerequisite: Chemistry or concurrent enrollment, Biology and Algebra I

This is a college-preparatory course that is the equivalent to a one semester college course in environmental science. This course will use both conceptual and mathematical models to understand the interrelationships of among natural processes, including environmental issues and management alternatives.

BIOLOGY AP (BIOP)

Semesters: 2 Credit: 1 Grades: 11-12

Prerequisite: Biology and Chemistry

This is a college-preparatory course that is the equivalent to a first-year college course in Biology. Biology AP covers evolution, energy and communication cellular processes, genetics, information transfer, ecology, and interactions.

SCIENTIFIC RESEARCH AND DESIGN / SCIENTIFIC RESEARCH AND DESIGN II DE (BIODCA/BIODCB) (ACC - BIOL 1406/1407)

Semesters: 2 Credit: 2 Grade: 12

Prerequisite: TSI Reading Met.

Fundamental principles for living organisms will be studied, including physical and chemical properties of life, organization, function, evolutionary adaptation, and classification. Concepts of cytology, reproduction, genetics, and scientific reasoning are included. The diversity and classification of life will be studied, including animals, plants, protists, fungi, and prokaryotes. Special emphasis will be given to anatomy, physiology, ecology, and evolution of plants and animals.

CHEMISTRY AP (CHEMP)

Semesters: 2 Credit: 1 Grades: 11-12

Prerequisite: Chemistry and Algebra II

This is a college-preparatory course that is the equivalent to a first-year college course in Chemistry. This course will include a study of atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermochemistry, and equilibrium. Extensive mathematical problem solving and analysis is required.

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PHYSICS I AP (PHY1P)

Semesters: 2 Credit: 1 Grades: 10-12

Prerequisite: Algebra II or concurrent enrollment

Recommended: Physics, APA Physics and/or PreCalculus concurrent enrollment

This is an Algebra-based, introductory college-level Physics course. This course explores the following topics: kinematics, dynamics, circular motion and gravitation, energy, momentum, simple harmonic motion, torque and rotational motion, electric charge and electric force, DC circuits, and mechanical waves and sound.

PHYSICS C: MECHANICS AP (PHYCMP)

Semesters: 2 Credit: 1

Prerequisite: Calculus or concurrent enrollment

Recommended: AP Physics 1 and/or completion of Calculus

This is a college-preparatory course that is the equivalent to a first-semester college course in calculus-based physics. AP Physics I covers the concepts of Kinematics, Newton's Laws, Work, Energy, Power, Linear Momentum, Rotational Motion, Oscillations, and Laws of Gravitation. Extensive mathematical problem solving and analysis is required.

SOCIAL STUDIES

[Recommended Social Studies Course Sequences](#)

WORLD GEOGRAPHY STUDIES (WG)

Semesters: 2 Credit: 1

Students will examine people, places, and environments at local, regional, national and international scales from the multiple perspectives of geography. Students describe the influence of geography on past and present events with an emphasis on contemporary issues. The physical, political, economic, technological and social processes that shape patterns in the environment affecting cultural patterns and influence political divisions are emphasized. Students may only earn credit for one of the following courses: Regular World Geography, Dual Enrollment World Geography, APA World Geography or AP Human Geography.

WORLD GEOGRAPHY STUDIES APA (WGH)

Semesters: 2 Credit: 1

This is a college-preparatory course that includes topics similar in scope to World Geography Studies. In addition, students will also explore complex cultural problems and events in depth and will also delve further into geographic issues of the past and present. Students may only earn credit for one of the following courses: Regular World Geography, Dual Enrollment World Geography, APA World Geography or AP Human Geography.

HUMAN GEOGRAPHY (WORLD GEOGRAPHY) AP (HGP)

Semesters: 2 Credit: 1

This is a college level course that includes the systematic study of patterns and processes that have shaped the Earth's surface. Students learn to employ spatial concepts and landscape analysis to examine human socioeconomic organization and its environmental consequences. Students will also explore the geographic methods and tools geographers used to interpret maps and analyze geospatial data; understand and explain the implications of associations and networks among phenomena in places; recognize and interpret the relationships among patterns and processes at different scales of analysis; define regions and evaluate the regionalization process; and characterize and analyze changing interconnections among places. Students may only earn credit for one of the following courses: Regular World Geography, Dual Enrollment World Geography, APA World Geography or AP Human Geography.

Note: When completed for one credit, this course may be used as a substitute for World Geography.

WORLD HISTORY STUDIES (WH)

Semesters: 2 Credit: 1

Prerequisite: World Geography recommended

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A survey of the history of mankind, the major emphasis of World History is on the study of significant people, events, and issues from the earliest times to the present. Traditional historical points of reference in world history are identified as students analyze important events and issues in civilization with an emphasis on western civilization. Students will use historical inquiry to research, interpret, and use multiple sources of evidence. Students may only earn credit for one of the following courses: Regular World History, Dual Enrollment World History, APA World History or AP World History.

WORLD HISTORY STUDIES APA (WHH)

Semesters: 2 Credit: 1

Prerequisite: APA World Geography recommended

This is a college-preparatory course that includes topics similar in scope to World History Studies. In addition, students will also explore complex historical issues and events in depth regarding the past and present. Students may only earn credit for one of the following courses: Regular World History, Dual Enrollment World History, APA World History or AP World History.

WORLD HISTORY: MODERN AP (WHP)

Semesters: 2 Credit: 1

Prerequisite: APA World Geography or AP Human Geography recommended

This is a college-level course that includes a survey of the history of humankind, with a major emphasis on the study of significant people, events, and issues from the 13th Century to the present. Students will use historical inquiry to research, interpret, and use multiple sources of evidence. Students may only earn credit for one of the following courses: Regular World History, Dual Enrollment World History, APA World History or AP World History.

UNITED STATES HISTORY STUDIES SINCE 1877 (USH)

Semesters: 2 Credit: 1

Prerequisite: World History recommended

This course is the second part of a two-year study that begins in Grade 8. Students study the history of the United States from 1877 to the present. This study is based on principles of government, historical events that shaped the nation, the impact of geography, and how changes in the nation affected American society culturally and economically. Students use critical thinking skills and a variety of primary and secondary source material to explain and apply different methods that historians use to understand and interpret the past, including multiple points of view and historical context. Students may only earn credit for one of the following courses: Regular US History, Dual Enrollment US History, or AP US History.

UNITED STATES HISTORY STUDIES DE (USADE) (ACC - HIST 1301)

Semester: 1 Credit: .5 Grades: 11-12

Prerequisite: World Geography or World History. TSI Met Reading/Writing. See ACC's Dual Enrollment Steps for instructions.

A survey of American History from colonial origins through reconstruction. Students may only earn credit for one of the following courses: Regular US History, Dual Enrollment US History, or AP US History.

Note: Satisfies 0.5 credit of US History graduation requirement.

UNITED STATES HISTORY STUDIES DE (USBDE) (ACC - HIST 1302)

Semester: 1 Credit: .5 Grades: 11-12

Prerequisite: World Geography or World History. TSI Met Reading/Writing. See ACC's Dual Enrollment Steps for instructions.

A survey of American History since 1877. Students may only earn credit for one of the following courses: Regular US History, Dual Enrollment US History, or AP US History.

Note: Satisfies 0.5 credit of US History graduation requirement.

UNITED STATES HISTORY AP (USHP)

Semesters: 2 Credit: 1

Prerequisite: AP World History or AP Human Geography recommended

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This is a college level course that includes the in-depth study of the growth and development of America's political, economic, and social institutions from the mid1600's to the present. Students will analyze historical materials and learn to weigh the evidence and interpretations presented in historical scholarship. Students may only earn credit for one of the following courses: Regular US History, Dual Enrollment US History, or AP US History.

UNITED STATES GOVERNMENT (GOVT)

Semester: 1 Credit: .5

Prerequisite: US History recommended

In Government the focus is on the principles and beliefs upon which the United States was founded and on the structure, functions, and powers of government at the national, state, and local levels. A significant focus of the course is on the U.S. Constitution. Students analyze major concepts of American government and compare the U.S. system of government with other political systems. Students identify the role of government in the U.S. free enterprise system. Students analyze the impact of individuals, political parties, interest groups, and the media on the American political system, and evaluate the importance of voluntary individual participation in a democratic society. Students may only earn credit for one of the following courses: Regular Government, Dual Enrollment Government, or AP Government and Politics.

UNITED STATES GOVERNMENT AND POLITICS AP (GOVTP)

Semester: 1 Credit: .5

Prerequisite: AP US History recommended

This is a college-level course that includes a focus on analytical perspectives regarding government and politics in the United States. While similar in scope to Government, in this course students will examine concepts used to interpret U.S. politics while in-depth analysis of specific case studies will be made. Students may only earn credit for one of the following courses: Regular Government, Dual Enrollment Government (A), or AP Government and Politics.

UNITED STATES GOVERNMENT A DE (GOVTADC) (ACC - GOVT 2305)

Semester: 1 Credit: .5 Grades: 11-12

Prerequisite: U.S. History TSI Met Reading/Writing. See ACC's Dual Enrollment Steps for instructions.

U.S. constitutional origin/development, structure/ powers of the national government including the three branches, federalism, political participation, the election process, public policy, civil liberties and rights. Students may only earn credit for one of the following courses: Regular Government, Dual Enrollment Government (A), or AP Government and Politics.

Note: Satisfies Government (0.5 credit) graduation requirement

UNITED STATES GOVERNMENT B DE (GOVBDC) (ACC - GOVT 2306)

Semester: 1 Credit: .5 Grades: 11-12

Prerequisite: U.S. History TSI Met Reading/Writing. See ACC's Dual Enrollment Steps for instructions.

Texas constitutional origin/development, structure/ powers of state and local government, federalism and intergovernmental relations, political participation, the election process, public policy, and Texas political culture

Note: Satisfies 0.5 elective credit

ECONOMICS (With Emphasis on the Free Enterprise System and its Benefits) (ECON)

Semester: 1 Credit: .5

Prerequisite: US History recommended

The focus in this economics course is on the basic principles concerning production, consumption, and distribution of goods and services in the United States and a comparison with those in other countries around the world. Students also examine the rights and responsibilities of consumers and businesses.

MACROECONOMICS AP (ECOP)

Semester: 1 Credit: .5

Prerequisite: AP US History recommended

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This is a college level course that includes analysis of the principles of economics that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price determination and also develops student's familiarity with economic performance measures, economic growth, and international economics.

ECONOMICS DE (ECONDC) (ACC - ECON 2301)

Semester: 1 Credit: .5 Grades: 11-12

Prerequisite: TSI Met Reading/Writing. See ACC's Dual Enrollment Steps for instructions.

Recommended: US History

Macroeconomics examines American economic fundamentals relating to social welfare. Emphasis is on basic economic concepts and theories as they affect domestic/international markets. This course included measurements of GDP, fiscal and monetary policy.

EUROPEAN HISTORY AP (EUROP)

Semesters: 2 Credit: 1

This is a college level course that includes a basic narrative of events and movements in European History and enables students to develop an understanding of some of the principal themes in modern European History. In addition, students will analyze historical evidence and historical understanding in writing.

PERSONAL AND FINANCIAL LITERACY (PFL)

Semesters: 1 Credit: .5 Grades: 9-12

This class is an interactive and research-based course that is designed to help students make sound and informed financial decisions regarding personal financial responsibility. Students will apply critical learning and problem-solving skills to analyze financial decisions including earning and spending, saving and investing, credit and borrowing and college and postsecondary education and training. This is an elective course and cannot replace Economics for graduation requirements.

PERSONAL FINANCIAL LITERACY WITH ECONOMICS (ECPF)

Semesters: 1 Credit: .5 Grades 11-12

The Personal Financial Literacy and Economics Course emphasizes the economic way of thinking, which serves as a framework for the personal financial decision-making opportunities introduced in the course. This course will be comprised of 75% Personal Financial Literacy and 25% Economics.

PSYCHOLOGY (PSY)

Semester: 1 Credit: .5

In Psychology, students consider the development of the individual and the personality. The study of psychology is based on an historical framework and relies on effective collection and analysis of data. Students study topics such as theories of human development, personality, motivation, and learning. **Students may take Psychology or Dual Enrollment Psychology. AP Psychology is a separate course.**

PSYCHOLOGY DE (PSYDC) (ACC - PSYC 2301)

Semester: 1 Credit: .5 Grades: 10-12

Prerequisite: World Geography or World History. TSI Met Reading/Writing. See ACC's Dual Enrollment Steps for instructions.

Psychology is the study of the mind and behavior and embraces all aspects of the human experience including functions of the brain, health and stress, and psychological disorders. **Students may take Psychology or Dual Enrollment Psychology. AP Psychology is a separate course.**

PSYCHOLOGY AP (PSYCP)

Semester: 1 Credit: .5 Grade Level 10 - 12

This is a college level course that includes an introduction to the systematic and scientific study of the behavior and mental process of human beings and other animals. Students are exposed to the psychological facts, principles and phenomena associated with each of the major subfields within psychology. Students also learn about the methods psychologists use in their science and practice.

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SOCIOLOGY (SOC)

Semester: 1 Credit: .5 Grade Level 10 - 12

In Sociology, students study dynamics and models of individual and group relationships. Students also study topics such as the history and systems of sociology, cultural and social norms, social institutions, and mass communication.

SOCIOLOGY DE (SOCDC) (ACC - SOCI 1301)

Semester: 1 Credit: .5 Grades: 10-12

Prerequisite: World Geography or World History. TSI Met Reading/Writing. See ACC's Dual Enrollment Steps for instructions.

This course is a social science involving the study of the social lives of people, groups and societies.

LANGUAGES OTHER THAN ENGLISH

*** Courses listed in this section may satisfy the Languages other than English graduation requirement.***

SPANISH I (SP1)

Semesters: 2 Credit: 1

This course is an introduction to Spanish with an emphasis on presentational, interpersonal and interpretive skills using authentic materials within a cultural framework. Student will use real-world tasks to achieve an ACTFL Novice-Mid level in reading, writing, listening and speaking.

SPANISH I FOR SPANISH SPEAKERS (SPNS1)

Semester: 1 Credit: 1

Prerequisite: Placement by instructor recommendation after interview or a recommended District Spanish Placement Score of ≤ 70

An accelerated Spanish course designed for native and heritage speakers to cover all regular Spanish I TEKS, but delivered in the target language, with a deeper study of Hispanic culture and heritage to fulfill the Spanish I credit in one semester. The Spanish for Spanish Speakers Level I (SPNS1) course is tailored for individuals who are heritage/native speakers of Spanish, possessing Novice-High/ Intermediate-Low Spanish language proficiency and literacy skills. By the conclusion of the Spanish for Spanish Speakers I course, students should demonstrate proficiency ranging from Intermediate-High to Advanced Low in listening, speaking, reading, and writing, as per the ACTFL Proficiency Standards. The course can accommodate students from a wide range of backgrounds, from those who are minimally functional (can comprehend Spanish but are not able to speak fluently, read or write) to those who are more proficient and/or literate in Spanish.

SPANISH I DE (SP1DC) (ACC - SPAN 1411)

Semester: 1 Credit: 1

Prerequisite: TSI for Admissions only. See ACC's Dual Enrollment Steps for instructions.

Beginning level basic Spanish Language Skills in listening, speaking, reading and writing within a cultural framework.

SPANISH II (SP2)

Semesters: 2 Credit: 1

Prerequisite: Successful completion of Spanish I

This course is a continuation of the Spanish presentational, interpersonal and interpretive skills acquired in Spanish I. Students will use real-world tasks and authentic materials within a cultural framework to achieve an ACTFL Intermediate-Low level in reading, writing, listening and speaking.

SPANISH II APA (SP2H)

Semesters: 2 Credit: 1

This course is a continuation of the Spanish presentational, interpersonal and interpretive skills acquired in Spanish I. Students will use real-world tasks and authentic materials within a cultural framework to achieve an ACTFL Intermediate-Low level in reading, writing, listening and speaking. It is an in-depth version of Spanish II and is designed to prepare students for advanced Spanish courses.

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SPANISH II FOR SPANISH SPEAKERS (SPNS2)

Semester: 1 Credit: 1

Prerequisite: Completion of Spanish Speakers I or equivalent placement exam.

An accelerated Spanish course designed for native and heritage speakers to cover all regular Spanish II TEKS, but delivered in the target language, with a deeper study of Hispanic culture and heritage to fulfill the Spanish II credit in one semester. The Spanish for Spanish Speakers Level II (SPNS2) course is tailored for individuals who are heritage/native speakers of Spanish, possessing Intermediate-Low/Intermediate-High Spanish language proficiency and literacy skills. By the conclusion of the Spanish for Spanish Speakers Level II (SPNS2) course, students should demonstrate proficiency ranging from Intermediate-High to Advanced Low in listening, speaking, reading, and writing, as per the ACTFL Proficiency Standards.

SPANISH II DE (SP2DC) (ACC - SPAN 1412)

Semester: 1 Credit: 1

Prerequisite: Spanish I Dual Enrollment (SPAN 1411) with a grade of C or higher

Continue development beginning level basic Spanish Language Skills in listening, speaking, reading and writing within a cultural framework.

SPANISH III APA (SP3H)

Semesters: 2 Credit: 1

Prerequisite: Successful completion of Spanish II or Spanish II APA

This course is a continuation of the Spanish presentational, interpersonal and interpretive skills acquired in Spanish II. Students will use real-world tasks and authentic materials within a cultural framework to achieve an **ACTFL proficiency level of Intermediate-Mid to Advanced-Low** in reading, writing, listening and speaking. This course is designed to prepare students to take the AP Spanish Language Exam. Discussions are conducted in Spanish and students begin to express their own thoughts.

SPANISH III FOR SPANISH SPEAKERS (SPNS3)

Semester: 1 Credit: 1

Prerequisite: Completion of Spanish Speakers II or equivalent placement exam.

The Spanish for Spanish Speakers Level III (SPNS3) course is tailored for individuals who are heritage/native speakers of Spanish, possessing strong Spanish language proficiency and literacy skills. To enroll in Spanish for Spanish Speakers III, it is recommended that students achieve a combined score of at least 80 on the District Spanish Placement Exam or have successfully completed Spanish II for Spanish Speakers (SPNS2). This course emphasizes the advancement of communication skills in reading, writing, speaking, listening, and viewing, with a specific focus on utilizing Spanish in professional contexts. By the conclusion of the course, students should demonstrate proficiency ranging from Advanced-Low to Advanced-Mid levels in listening, speaking, reading, and writing, as per the ACTFL Proficiency Standards. The course will primarily be conducted in Spanish.

SPANISH IV AP LANGUAGE (SP4P)

Semesters: 2 Credit: 1-4 (pending grade & Exam score)

Prerequisite: Successful completion of Spanish III or Spanish III APA

Recommendation: 85% average in Spanish III or 80% average in Spanish III APA or department approval

The AP Spanish Language and Culture course emphasizes communication by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness taught almost exclusively in Spanish. **The course prepares students for the AP Spanish Language Exam in May.**

SPANISH V AP LITERATURE (SP5P)

Semesters: 2 Credit: 1

Prerequisite: Spanish IV AP

The AP Spanish Literature and Culture course is designed with a learning experience equivalent to that of an introductory college course in literature written in Spanish. It provides the opportunity to demonstrate proficiency in Spanish across the three modes of communication and the five goal areas. The course pays special attention to critical reading and analytical writing in the target language to prepare for the AP Exam in May.

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FRENCH I (FR1)

Semesters: 2 Credit: 1

This course is an introduction to French with an emphasis on presentational, interpersonal and interpretive skills using authentic materials within a cultural framework. Student will use real-world tasks to achieve an ACTFL Novice-Mid level in reading, writing, listening and speaking.

FRENCH I DE (FR1DC) (ACC - FREN 1411)

Semester: 1 Credit: 1

Prerequisite: TSI for Admissions Only. See ACC's Dual Enrollment Steps for instructions.

Beginning level basic French Language Skills in listening, speaking, reading and writing within a cultural framework.

FRENCH II (FR2)

Semesters: 2 Credit: 1

Prerequisite: Successful completion of French I

This course is a continuation of the French presentational, interpersonal and interpretive skills acquired in French I. Students will use real-world tasks and authentic materials within a cultural framework to achieve an ACTFL Intermediate-Low level in reading, writing, listening and speaking.

FRENCH II APA (FR2H)

Semesters: 2 Credit: 1

This course is a continuation the French presentational, interpersonal and interpretive skills acquired in French 1. Students will use real-world tasks and authentic materials within a cultural framework to achieve an ACTFL Intermediate-Low level in reading, writing, listening and speaking. It is an in-depth version of French II and is designed to prepare students to take the AP French exam.

FRENCH II DE (FR2DC) (ACC - FREN 1412)

Semester: 1 Credit: 1

Prerequisite: French I Dual Enrollment (FREN 1411) with a grade of C or higher. See ACC's Dual Enrollment Steps for instructions.

Continue development beginning level basic French Language Skills in listening, speaking, reading and writing within a cultural framework.

FRENCH III APA (FR3H)

Semesters: 2 Credit: 1

Prerequisite: Successful completion of French II

This course is a continuation of the French presentational, interpersonal and interpretive skills acquired in French II. Students will use real-world tasks and authentic materials within a cultural framework to achieve an ACTFL Intermediate Mid to High level in reading, writing, listening and speaking. **This course is designed to prepare students to take the AP French Language Exam.**

FRENCH IV AP (FR4P)

Semesters: 2 Credit: 1

Prerequisite: 80% average in French III APA recommended.

The AP French Language and Culture course emphasizes communication by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness taught almost exclusively in French. The course prepares students for the AP French Language Exam in May.

FINE ARTS

*** Unless otherwise noted, courses listed in this section may satisfy the fine arts graduation requirement.***

***Course fees may apply**

ART I (FOUNDATIONS) (ART1)

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Semesters: 2 Credit: 1

Fee: Not to exceed \$20 per semester

This course introduces the student to the world of visual art. It is a hands-on studio art course emphasizing drawing, design, color theory and three-dimensional art. The student is also exposed to contemporary, multicultural, and historic images as well as career possibilities in art.

ART APPRECIATION DE (ARTADC) (ACC-ARTS 1301)

Semesters: 1 Credit: 1

Prerequisite: See ACC's Dual Enrollment/Dual Degree TSI

Testing Req. Fee: Not to exceed \$20 per semester

Art Appreciation includes critical evaluation of selected works of painting, sculpture, architecture, and industrial design as well as a study of the elements and principles of design from a layman's standpoint and of art in relation to everyday life. In addition to an academic approach, the class will include a field trip to a museum, collaborative projects as well as simple hands-on art making activities.

ART II CERAMICS (ART2CR)

Semesters: 2 Credit: 1 Grades: 10-12

Prerequisite: Art I or Art Appreciation DE

Fee: Not to exceed \$30 per semester

Students will explore 3D Art making through the media of clay, porcelain, and glaze. Students will work using alternative clay methods as well as traditional wheel work and throwing techniques.

ART II STUDIO (ART2)

Semesters: 2 Credit: 1 Grades: 10-12

Prerequisite: Art I or Art Appreciation DE

Fee: Not to exceed \$30 per semester

This class focuses on developing the skills the student acquired in Art Foundations. Students will be exposed to a wide variety of processes such as painting, drawing, mixed media, collage, and printmaking.

ART II DIGITAL ART & MEDIA I (ART2DI)

Semesters: 2 Credit: 1 Grades: 10-12

Prerequisite: Art I or Art Appreciation DE

Fee: Not to exceed \$30 per semester

This course introduces 2 dimensional digital imagery. Topics include digital composition, design principles, raster and vector based 2-D graphic design and animation. Students use software, digital cameras and scanners to create and edit digital designs for a range of purposes including fine art and art for publication.

ART II DRAWING (ART2DR)

Semesters: 2 Credit: 1 Grades: 10-12

Prerequisite: Art I or Art Appreciation DE

Fee: Not to exceed \$30 per semester

This beginning drawing course will focus on traditional subject matter such as portraits, landscape, and still-life. In addition, students will learn mark-making as a tool for personal expression. Students will use a wide range of drawing materials including pencil, collage, watercolor, ink, charcoal, colored pencil, and marker.

ART II FIBERS (CONTEMPORARY CRAFTS) (ART2F)

Semesters: 2 Credit: 1 Grades: 10-12

Prerequisite: Art I or Art Appreciation DE

Fee: Not to exceed \$30 per semester

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Students will explore a variety of applied arts media, techniques, and history while solving design problems. Media may include ceramics, sculpture, loom weaving, papermaking, macramé, beading, and jewelry making among others.

ART II PAINTING (ART2PT)

Semesters: 2 Credit: 1 Grades: 10-12

Prerequisite: Art I or Art Appreciation DE

Fee: Not to exceed \$30 per semester

This course will explore multiple approaches to painting. Students will investigate a variety of media, techniques, and subjects and explore the perceptual possibilities of painting using the elements and principles of art.

ART II PHOTOGRAPHY I (ART2PH)

Semesters: 2 Credit: 1 Grades: 10-12

Prerequisite: Art I or Art Appreciation DE

Fee: Not to exceed \$30 per semester

Students will learn creative techniques and expression and will explore the manipulation of images, as well as the contemporary, cultural and historical aspects of photography.

ART II SCULPTURE (ART2SC)

Semesters: 2 Credit: 1 Grades: 10-12

Prerequisite: Art I or Art Appreciation DE

Fee: Not to exceed \$30 per semester

This class will focus on developing the 3-D artmaking skills acquired in Art I. It is a hands-on studio art course using clay, wood, found objects, etc.

ART III CERAMICS (ART3CR)

Semesters: 2 Credit: 1 Grades: 10-12

Pre-Requisite- Ceramics II, Portfolio Review and Art Teacher Recommendation

Fee not to exceed \$30 per semester

Students will extend understanding of 3D Art making through the media of clay, porcelain, and glaze. Students will work using alternative clay methods as well as traditional wheel work and throwing techniques. Students will be working to produce portfolio quality pieces either for college entrance, scholarship opportunities, or AP 3D (Ceramics) coursework.

ART III DIGITAL ART & MEDIA II (ART3DI)

Semesters: 2 Credit: 1 Grades: 10-12

Prerequisite: Digital Art and Media II, Portfolio Review and Art Teacher Recommendation

Fee: Not to exceed \$30 per semester

This course extends knowledge learned in Art II Digital Art and Media: 2 dimensional digital imagery. Topics include digital composition, design principles, raster and vector based 2-D graphic design and animation. Students use software, digital cameras and scanners to create and edit digital designs for a range of purposes including fine art and art for publication.

ART III DRAWING (ART3DR)

Semesters: 2 Credit: 1 Grades: 10-12

Pre-Requisite- Drawing II, Portfolio Review and Art Teacher Recommendation

Fee not to exceed \$30 per semester

This intermediate drawing course will extend understanding of drawing traditional subject matter such as portraits, landscape, and still-life. In addition, students will use mark-making as a tool for personal expression. Students will use a wide range of drawing materials including pencil, collage, watercolor, ink, charcoal, colored pencil, and marker. Students will be working to produce portfolio quality pieces either for college entrance, scholarship opportunities, or AP 2D (Drawing) coursework.

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ART III FIBERS (ART3F)

Semesters: 2 Credit: 1 Grades: 10-12

Pre-Requisite- Fibers II, Portfolio Review and Art Teacher Recommendation

Students will extend understanding of a variety of applied arts media, techniques, and history while solving design problems. Media may include ceramics, sculpture, loom weaving, papermaking, macramé, beading, and jewelry making among others. Students will be working to produce portfolio quality pieces either for college entrance, scholarship opportunities, or AP Portfolio coursework.

ART III PAINTING (ART3PT)

Semesters: 2 Credit: 1 Grades: 10-12

Pre-Requisite- Painting II, Portfolio Review and Art Teacher Recommendation

Fee not to exceed \$30 per semester

This course will extend understanding of multiple approaches to painting. Students will work using a variety of media, techniques, and subjects and explore the perceptual possibilities of painting using the elements and principles of art.

Students will be working to produce portfolio quality pieces either for college entrance, scholarship opportunities, or AP 2D (Painting) coursework.

ART III PHOTOGRAPHY II (ART3PH)

Semesters: 2 Credit: 1 Grades: 11-12

Prerequisite: Photography II, Portfolio Review and Art Teacher Recommendation

Fee: Not to exceed \$30 per semester

This class is a continuation of the Art Photography course with the addition of alternative processing and portfolio building.

ART III SCULPTURE (ART3SC)

Semesters: 2 Credit: 1 Grades: 10-12

Pre-Requisite- Sculpture II, Portfolio Review and Art Teacher Recommendation

Fee not to exceed \$30 per semester

This class will extend understanding of 3-D artmaking skills acquired in Art I. It is a hands-on studio art course using clay, wood, found objects, etc. Students will be working to produce portfolio quality pieces either for college entrance, scholarship opportunities, or AP 3D (Sculpture) coursework.

ART III STUDIO (ART3DE)

Prerequisite: Portfolio Review and Art Teacher Recommendation.

Fee: Not to exceed \$30 per semester

Description: Art 3 Design extends the knowledge learned in students' level 2 studio art courses. Students will focus on the development of technical skills in their chosen media to develop a deeper understanding of design principles and how to use them at an advanced level in their chosen medium. This course is intended as a preparation for students before taking AP 2D or 3D portfolios. Students who are not preparing for AP portfolio's but wish to take another art course, will choose another Art II course in a different medium.

ART DRAWING PORTFOLIO AP (ARTPDR)

Semesters: 2 Credit: 1 Grades: 10-12

Prerequisite: Art I (Traditional) or Art Appreciation DE, Portfolio Review with art teacher.

Fee: Not to exceed \$50 dollar fee per semester

Students will solve a variety of drawing problems on the college level by selecting an area of sustained investigation and developing a portfolio to submit to The College Board for Advanced Placement credit. Students will choose traditional drawing or digital drawing processes (illustrator, painter, Photoshop, etc.) with their teacher.

ART 2D DESIGN PORTFOLIO AP (ARTP2D)

Semesters: 2 Credit: 1 Grades: 10-12

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Prerequisite: Portfolio review with art teacher, Art I (Traditional) or Art Appreciation DC, Either successful completion of DAA, Advanced DAA, Web Mastering OR any art course with teacher approval PRIOR to enrollment. (Digital). Photo 1 (photography)

Fee: Not to exceed \$50 dollar fee per semester

Students will solve a variety of two-dimensional design problems on the college level by selecting an area of sustained investigation and developing a portfolio to submit to The College Board for Advanced Placement credit. Students will choose traditional 2D design, digital design processes (illustrator, flash, Photoshop), or photography with their teacher.

ART 3D DESIGN PORTFOLIO AP (ARTP3D)

Semesters: 2 Credit: 1 Grades: 10-12

Prerequisite: Portfolio review by art teacher. Sculpture or ceramics or fibers.

Fee: Not to exceed \$50 dollar fee per semester

Students will solve a variety of three dimensional design problems on the college level by selecting an area of sustained investigation and developing a portfolio to submit to The College Board for Advanced Placement credit. Students will choose traditional 3D, Contemporary Crafts 3D, or digital 3-D design (Using Maya, Blender, Sketchup), with their teacher.

ART HISTORY AP (ARTHP)

Semesters: 2 Credit: 1 Grades: 10-12

Fee: Not to exceed \$10 per semester

This course explores such topics as the nature of art, its uses, its meanings, art making and responses to art. Through investigation of diverse artistic traditions of cultures from prehistory to the present, the course fosters an in-depth and holistic understanding of the history of art from a global perspective. Students will also learn success strategies for taking the AP Art History Exam.

3D MODELING AND ANIMATION (MODAN)

Semesters: 2 Credit: 1

Fee: Not to exceed \$20

In this course students will master foundational skills required for 3-D modeling and animation through the use of cutting-edge software. The modeling of environments, characters, and objects, along with basic story and script-writing principles are the focus of this course.

FLORAL DESIGN (1FD)

Semesters: 2 Credit: 1 Grades: 9-12

Prerequisite: None

Fee: Approximately \$50

Certification Preparation: Level I & II Floral Design Certification

Students will create and analyze floral designs and develop an understanding of the management of floral enterprises. Activities may include: designing Homecoming mums and holiday and special occasion arrangements using fresh and silk flowers.

DANCE I. PRINCIPLES OF DANCE I (DAN1)

Semesters: 2 Credit: 1

Fee: Not to exceed \$50.00

The student will explore basic elements of ballet, jazz, hip-hop, musical theatre, modern, lyrical and folk dancing, as well as develop choreography skills and study the history of dance. This course has 1-4 required performances necessary to meet the dance TEKS.

DANCE II-IV. PRINCIPLES OF DANCE II-IV (DAN2) (DAN3) (DAN4)

Semesters: 2 Credit: 1

Fee: Not to exceed \$50.00

The student will explore more advanced elements of ballet, jazz, hip-hop, musical theatre, modern, lyrical and folk dancing, as well as develop a deeper knowledge of choreography skills and study the history of dance. This course has 1-4 required performances necessary to meet the dance TEKS. This course satisfies a Fine Art credit.

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Note: Students pursuing the Arts and Humanities graduation endorsement may be eligible for a P.E. credit after completing two years of dance.

DANCE I-IV, PRINCIPLES OF DANCE FOR MALE ATHLETES (DAN1A) (DAN2A) (DAN3A) (DAN4A)

Semesters: 2 Credit: 1

Prerequisite: Director approval or placement by director into appropriate class level

Fee: Not to exceed \$50.00

The male athletes will explore basic elements of ballet, modern, jazz, tap, musical theatre, cultural and social dance and develop choreography skills through the history of dance. Students will explore methods of stretching, flexibility, strength, coordination, and injury prevention. This course has 1-4 formal, required public performances necessary to meet the dance TEKS.

NOTE: Satisfies Fine Art credit or PE graduation requirement

DANCE I-IV, INTERMEDIATE DANCE I-IV (DANIN1) (DANIN2) (DANIN3) (DANIN4)

Semesters: 2 Credit: 1

Prerequisite: Director approval or placement by director into appropriate class level

Fee: Not to exceed \$50.00

The student will explore advanced elements of ballet, jazz, hip-hop, musical theatre, modern, lyrical, and contemporary as well demonstrate a deeper knowledge of choreography skills at a fast pace. This course has 1-4 required performances necessary to meet the dance TEKS. This course satisfies a Fine Art credit. Students who desire a more advanced class and/or are interested in auditioning for the dance team are advised to take this course.

DANCE I-III, DANCE PRODUCTION JV I-III (DANJV1) (DANJV2) (DANJV3) (DANJV4)

Semesters: 2 Credit: 1 Grades: 9-11

Prerequisite: Audition required; determined by campus.

Participation Fee: Determined by Campus annually

Students perform at designated football games, basketball games, pep rallies, parades, contest and spring show. They attend mandatory camps in the summer and perform/compete in and out of the state. Groups may attend trips and/or special events. They perform/ compete in and out of the state. Members follow all U.I.L. rules and are required to attend all designated functions. Members must follow and abide by the Alvin ISD Dance Team Constitution.

Note: Students may earn up to 1.0 PE substitution credit.

DANCE I-IV, DANCE PRODUCTION VARSITY I-IV (DANV1) (DANV2) (DANV3) (DANV4)

Semesters: 2 Credit: 1 Grades: 9-12

Prerequisite: Audition required; determined by campus.

Participation Fee: Determined by Campus annually

Students perform at designated football games, basketball games, pep rallies, parades, contest and spring show. They attend mandatory camps in the summer and perform/compete in and out of the state. Groups may attend trips and/or special events. They perform/ compete in and out of the state. Members follow all U.I.L. rules and are required to attend all designated functions. Members must follow and abide by the Alvin ISD Dance Team Constitution.

Note: Students may earn up to 1.0 PE substitution credit.

DANCE I-IV PERFORMANCE/ENSEMBLE I-IV (DAN1EN) (DAN2EN) (DAN3EN) (DAN4EN)

Semesters: 2 Credit: 1 Grades: 10-12

Prerequisite: Audition required

Fee: Included in fee for Dance Team

This class is for students who have auditioned and met the requirements to be dance officers and/or social officers of the Varsity Dance Team. These groups serve leadership roles as well as perform ensembles and small group dances at football games, designated basketball games, pep rallies, parades, contest and spring show. They attend mandatory camps in the summer. They perform/ compete in and out of the state. Members follow all U.I.L. rules and are required to attend all designated functions. Members must follow and abide by the Alvin ISD Dance Team Constitution.

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Note: Students may earn up to 1.0 PE substitution credit.

COLOR GUARD I-IV (CG1) (CG2) (CG3) (CG4)

Semesters: 1-2 Credit: .5-1

Prerequisite: Audition required

Fee: Campus-Based Fee Required

Students enrolled in Color Guard participate in Marching Band (Fall Semester) and Winter Guard (Fall and Spring Semesters). Enrollment is determined by audition only - prior membership in band is not required. Students will learn and develop flag, rifle and saber techniques as well as the fundamentals of proper body movement. Extracurricular rehearsals and performances are required outside of school hours and on weekends. Students with dance or martial arts experience are encouraged. Interested students should contact a band director or color guard instructor for more information.

Note: Fall Semester receives 0.5 PE substitution credit (one credit max).

BAND I-IV (BNDH1, BNDH2, BNDH3, BNDH4)

Semesters: 2 Credit: 1

Prerequisite: Audition required

Fee: Campus-Based Fee(s) Required, school-owned instrument yearly rental fee not to exceed \$100

Director approval and audition required for enrollment. Students will be placed into the appropriate band class based on audition results. Students enrolled in this course will develop musical, performance, leadership, and organizational skills. Extracurricular rehearsals and performances are required outside of school hours and on weekends. Interested students should contact a band director.

Note: Fall Semester receives 0.5 PE substitution credit (one credit max).

BAND JAZZ ENSEMBLE I-IV (JAZZ BAND I-IV) (BNDJ1) (BNDJ2) (BNDJ3) (BNDJ4)

Semesters: 2 Credit: 1

Prerequisite: Audition and current band enrollment required.

Fee: Campus-Based Fee Required, school-owned instrument yearly rental fee not to exceed \$100

Prior instrumental experience and audition required for enrollment. This course provides an introduction to jazz fundamentals and an opportunity to perform music from the jazz repertoire. Extracurricular rehearsals and performances are required outside of school hours and on weekends. Interested students should contact a band director.

Note: Course offered as available on each campus.

INSTRUMENTAL ENSEMBLE I - IV (BNDIE1, BNDIE2, BNDIE3, BNDIE4)

Semesters: 2 Credit: 1 Grade: 10-12

Prerequisite: Current enrollment in band and director approval.

An in-depth study of performance and rehearsal techniques. Opportunities to practice Region and UIL Solo and Ensemble music will be provided along with critique by directors and peers. Students will rehearse a variety of compositions designed to increase their repertoire and ability to analyze a performance. Students will develop leadership skills through opportunities not provided in a large ensemble setting.

Note: Course offered as available on each campus.

ORCHESTRA I-IV (ORCH1, ORCH2, ORCH3, ORCH4)

Semesters: 2 Credit: 1

Prerequisite: Audition Required

Fee: Campus-Based Fee Required

Orchestra continues the development of performance skills and sequence of instrumental music begun in junior high. Students study and perform literature for string orchestra of varying forms and styles. Orchestra requires extracurricular components, including after school and weekend activities.

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MUSIC APPRECIATION DE (MUSDC) (ACC - MUSI 1306)

Semesters: 1 Credit: 1

Prerequisite: TSI Reading/Writing, see Advisor for score requirement.

Understanding music through the study of cultural periods, major composers, and musical elements. Illustrated with audio recordings and live performances (does not apply to a music major).

MUSIC THEORY AP (MUSP)

Semesters: 2 Credit: 1

Alvin ISD Prerequisite: [Choir, Band, or Orchestra Director conference/approval](#)

AP® Music Theory is a course designed to develop student skills in music theory and analysis, composition, arranging, and aural cognition. Upon completion of the course, students are prepared to take the AP® Music Theory Exam. Students who plan to major in music in college may be able to enroll in advanced music theory, depending on individual colleges' policies toward AP courses. Students who have strong study skills, time management, organization, and focus, in addition to a history of engaging in, reading, and understanding the development of music, tend to be most successful in this rigorous course.

CHOIR I-IV

Semesters: 2 Credit: 1

Prerequisite: Director approval for placement

Fee: Up to \$55 per year

Members are expected to learn to read music well and to progress towards advanced vocal technique. Theoretical concepts and elements of musical style are studied and applied in the performance of literature from all major historical periods. Opportunities in TMEA auditions, Solo & Ensemble, Musical, and UIL contests are available for all students. Rehearsals and concerts are mandatory.

THEATRE ARTS I (TH1)

Semesters: 2 Credit: 1

Prerequisites: None

Fee: Not to exceed \$30 per semester

This course is for the beginning theater student who cannot or chooses not to commit to the extra-curricular demands of Fall Play or UIL One Act Play. Students will explore the evolution and skills of comedy and drama, including: stage movement, pantomime, stage combat, acting techniques, the production process, technical theatre, dramatic structure, television and film.

THEATRE ARTS II, III, IV (TH2) (TH3) (TH4)

(No major production)

Semesters: 2 Credit: .5-1 Grades: 11-12

Prerequisite: Theatre I

Fee: Not to exceed \$30 per semester

This course is for the advanced theater student who cannot commit to the extra-curricular demands of Fall Play or UIL One Act Play. Students will experience hands-on acting, directing, and technical production. Projects will include independent projects related to career interest, competition, and a specialization in a theatre discipline such as directing, design, or acting. Public performance and extracurricular activities required.

THEATRE I PRODUCTION I (THPR1)

(Fall Play and/or UIL One Act Play)

Semesters: 2 Credit: .5-1 Grades: 9-10

Prerequisite: Audition and/or Jr. High One Act Play and/or Teacher approval.

Fee: Not to exceed \$30 per semester

Theatre Production I is an advanced acting class for 9th grade students with developed theatrical skills. Students receive practical hands-on experience in acting, directing, and technical theatre. Public performance and extracurricular activities required.

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THEATRE II-IV PRODUCTION II-IV (THPR2) (THPR3) (THPR4)

(Fall Play and/or UIL One Act Play)

Semesters: 2 Credit: .5-1 Grades: 9-12

Prerequisite: Production I and audition or teacher approval

Fee: Not to exceed \$50 per semester

This course provides practical hands-on experiences in advanced acting, directing, and technical theatre. Public performance and extracurricular activities required.

TECHNICAL THEATRE I (TECH1)

Semesters: 2 Credit: 1

Prerequisite: None

Fee: Not to exceed \$30 per semester

This course combines theories of design and performance techniques with construction and operation of the various technical theatre elements including scenery, properties, lighting, sound, costumes, makeup, and public relations. Class fee may be required.

TECHNICAL THEATRE II (TECH2)

Semesters: 2 Credit: 1 Grades: 10-12

Prerequisite: Technical Theatre I

Fee: Not to exceed \$30 per semester

This course will provide hands-on experience in technical production. Projects will include independent projects related to career interest, competition, and a specialization in theatre discipline such as costuming, scenery, properties, stage management, lighting or sound.

TECHNICAL THEATRE III-IV (TECH3) (TECH4)

Semesters: 2 Credit: 1 Grades: 11-12

Prerequisite: Technical Theatre II or III

Fee: Not to exceed \$50

This course will provide hands-on experience in technical production. Projects will include independent projects related to career interest, competition, and a specialization in theatre discipline such as costuming, scenery, properties, stage management, lighting or sound.

MUSICAL THEATRE I-IV (THM1) (THM2) (THM3) (THM4)

Semesters: 2 Credit: 1 Grades: 9-12

Prerequisite: Theatre Arts or Theatre Production and permission of instructor

Fee: \$50

Students will explore the history, production, genre and techniques of acting for musical theatre.

ATHLETICS, PHYSICAL EDUCATION

**** Unless otherwise noted, courses listed in this section may satisfy the physical education graduation requirement.****

ATHLETICS

Semesters: 1 or 2 depending on sport Grades: 9-12

Physical required

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All student/athletes must be enrolled in the athletic class in order to participate in sports. Participation in any athletic sport requires a coach's approval and a signature. A student/athlete must have prior approval from the Athletic Director not to be enrolled in the class while competing in Athletics due to credit recovery. Individual and team sports offered in ALVIN ISD include: Football, Volleyball, Cross Country, Basketball, Track, Swimming/Diving, Water Polo, Tennis, Golf, Softball, & Baseball. Please contact the athletic office if you have further questions.

PE (PELFWP) (PEREC) (PESBA)

Semesters: 2 Credit: 1

Physical Education is designed specifically to promote the wellness of the individual both physically and mentally. To accomplish this, the students will participate in a wide variety of units and activities focused on learning the rules of the game and developing certain motor skills.

PE DANCE I (DAN1PE)

Semesters: 2 Credit: 1

Participation Fee: \$50 per year

Student will explore basic elements of ballet, jazz, hip-hop, musical theatre, modern, lyrical and folk dancing, as well as develop choreography skills and study the history of dance. This course has 1-3 required performances necessary to meet the dance TEKS. Students taking this course will earn a PE credit only. For a Fine Art credit, students should take a Dance course listed above.

PE PALS (PELFPP) (PERECP) (PESBAP)

Semesters: 2 Credit: 1

This course is designed to give students excellent small group experiences working in the field of special education as a peer tutor and role model in the adapted physical education setting. Students will have the opportunity for hands on experiences in the teaching process, learn more about disabling conditions, and develop knowledge and skills that promote wellness, sports training, and community recreation activities for all abilities that can be incorporated into a physically active lifestyle.

MCJROTC I-IV (ROTC1) (ROTC2) (ROTC3) (ROTC4)

Semesters: 2 Credit: 1 Grades: 9-12

A leadership course to prepare students for leadership roles in school, community and society. Emphasis is on leadership training, health and physical fitness, military drill/customs/courtesies, marksmanship training and Marine Corps History. Physicals are required. There is an emphasis on after school activities and competitive teams. Students can be in the program 1 to 4 years.

There is NO military obligation after taking the course.

Note:: Students may earn up to 1.0 PE substitution credit.

ATHLETIC TRAINER I-IV (AT1) (AT2) (AT3) (AT4)

Semesters: 2 Credit: 1 Grades: 9-12

Requirement: Application, Interview, and Athletic Trainer Signature; Physical & Athletic Paperwork (pending acceptance). Sports Medicine course recommended.

Fee: Varies by campus, not to exceed \$40.00 for practice uniforms

This course will provide a hands-on work and learning experience working directly under the supervision of Licensed Athletic Trainers providing care to the high school athletic programs. You will be required to work a Fall sport, and a secondary sport of either Winter or Spring. The Athletic Training staff will teach pertinent sports medicine skills, and skills will be tested via graded competencies. Class work will consist of facility prep for practices or games, facility management, and other assigned tasks at the discretion of the Athletic Training Staff. Football and Volleyball student athletic trainers are required to start working with teams on or around August 1st. Additionally, student athletic trainers will be involved in after- school, weekend, and holiday event coverage throughout the year as assigned sports teams practice and games are scheduled.

Note: Students may earn up to 1.0 PE substitution credit.

SPORTS MEDICINE (SPMED1)

Semesters: 2 Credit: 1

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This course will provide an opportunity for the study and application of sports medicine team and their roles; organizing and administering an athletic training program; SOAP/HOPS; strength and conditioning of athletes; sporting equipment; emergency situations; CPR and first aid; blood-borne pathogens; psychological aspects of sports; basic rehabilitation; environmental concerns; bandaging and taping techniques; prevention, recognition and care of injuries to the leg, knee, ankle and foot.

Note: This course does NOT meet the PE graduation requirement.

CTE - AGRICULTURE, FOOD, AND NATURAL RESOURCES

[**Course fees may apply see attached- CTE Course Fee Sheet*](#)

[**CTE Certification & Licensure Opportunities*](#)

ADVANCED ANIMAL SCIENCE (1AAS)

Semesters: 2 Credit: 1 Grade: 11-12

Prerequisite: Biology & Chemistry or IPC; Algebra I & Geometry; and either Small Animal Management and Equine Science, or Livestock Production. Satisfies a high school science graduation requirement.

This course examines the interrelatedness of human, scientific, and technological dimensions of livestock production. A minimum of 40% of instructional time will be spent conducting field and laboratory investigations.

Satisfies a high school science graduation requirement.

AG EQUIPMENT DESIGN & FABRICATION (1AEDF)

Semesters: 2 Credit: 1 Grades: 11-12

Alvin ISD Prerequisite: Ag Mech and Metal

Students will continue to develop skills in equipment assembly and joining processes, use basic carpentry skills, plan and install fences, perform appropriate cold and hot metal techniques and develop welding skills. Students must also demonstrate knowledge of laws and regulations related to the construction, design, and fabrication of Agricultural equipment. Students are required to complete shop work.

AG MECH & METAL (1AMM)

Semesters: 2 Credit: 1 Grades: 10-12

Prerequisite: None

Students will develop an understanding of agricultural mechanics as it relates to safety and skills in tool operation, electrical wiring, plumbing, carpentry, fencing, concrete, and metalworking techniques.

AG STRUCTURES DESIGN & FABRICATION (1AFDF)

Semesters: 2 Credit: 1 Grades: 11-12

Alvin ISD Prerequisite: Ag Mech and Metal

Students will continue to develop skills in metal equipment assembly and joining processes, reinforce/place/finish and cure concrete, use basic carpentry skills, plan and install fences, perform appropriate cold and hot metal techniques and develop welding skills. Students are required to complete shop work.

EQUINE SCIENCE (1EQ)

Semester: 1 Credit: .5 Grades: 10-12

Alvin ISD Prerequisite: Principles of Agriculture

This course is designed to develop knowledge and skills pertaining to the breed identification, species markings, nutrition, reproduction, health, management, and grooming of horses, donkeys, and mules. It is recommended that this course be taken in conjunction with Small Animal Management.

FLORAL DESIGN (1FD)

Semesters: 2 Credit: 1 Grades: 9-12

Prerequisite: None

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Students will create and analyze floral designs and develop an understanding of the management of floral enterprises. Activities may include: designing Homecoming mums and holiday and special occasion arrangements using fresh and silk flowers.

NOTE: Satisfies Fine Arts graduation requirement.

FLORAL DESIGN, ADVANCED (1FD2)

Semesters: 2 Credit: 1 Grades: 10-12

Prerequisite: Floral Design

Students will create and analyze floral designs and develop an understanding of the management of floral enterprises. Activities may include: designing Homecoming mums and holiday and special occasion arrangements using fresh and silk flowers.

LIVESTOCK PRODUCTION (1LP)

Semesters: 2 Credit: 1 Grades: 10-12

Alvin ISD Prerequisite: Principles of Agriculture

Students will study topics related to animal systems and the workplace; investigate career opportunities, and industry expectations. Animal species to be addressed in this course may include beef and dairy cattle, swine, sheep, goats, and poultry.

PRACTICUM IN AG, FOOD, & NATURAL RESOURCES - FLORAL DESIGN (JBH) (1PRAFL)

Semesters: 2 (2 periods) Credits: 2 Grades: 11-12

Alvin ISD Prerequisite: Floral Design Advanced

JBH Student Interest Form Required / Course held at JB Hensler

The practicum course is designed to give students supervised practical application of the knowledge and skills in the floral industry. The practicum course is a paid or unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in Plan Science Program of Study. The students in this course will gain hands on experience running a floral shop, including planning the logistics of running a successful business and creating arrangements.

PRACTICUM IN AG, FOOD, & NATURAL RESOURCES - VET MED (JBH) (1PRAGV)

Semesters: 2 (2 periods) Credits: 2 Grades: 12

Alvin ISD Prerequisite: Vet Med w/ Lab and Advanced Animal Science or concurrent enrollment

The practicum course is designed to give students an opportunity to enhance their previous learning by participating in a paid or unpaid internship in the veterinary field. *Students must have own reliable transportation to travel to various clinics for clinical rotations.*

PRINCIPLES OF AGRICULTURE FOOD AND NATURAL RESOURCES (1PAG)

Semesters: 2 Credit: 1 Grades: 9-11

Prerequisite: None

This course allows students to develop knowledge and skills in agriculture by exploring various career opportunities, developing leadership potential and researching and evaluating animals and natural resources.

SMALL ANIMAL MANAGEMENT (1SA)

Semester: 1 Credit: .5 Grades: 10-12

Alvin ISD Prerequisite: Principles of Agriculture

Students will understand the importance of responsible animal handling; the hazards associated with the industry and examine career opportunities in small animal care. The animals studied may include: mammals, such as dogs and cats, amphibians, reptiles and birds. It is recommended that this course be taken in conjunction with Equine Science.

VETERINARY MEDICAL APPLICATIONS/AGRICULTURAL LAB (JBH) (1VML)

Semesters: 2 (2 periods) Credit: 2 Grades: 11-12

Prerequisite: Equine Science and Small Animal Management or Livestock Production

JBH Student Interest Form Required / Course held at JB Hensler

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Topics covered in this course include, but are not limited to, veterinary practices as they relate to both large and small animal species. Students will develop technical skills in health, nutrition, examinations, diseases, sanitation and regulatory programs.

CTE - ARTS, AUDIO/VIDEO TECHNOLOGY AND COMMUNICATIONS

[*Course fees may apply see attached- CTE Course Fee Sheet](#)

[*CTE Certification & Licensure Opportunities](#)

AUDIO VIDEO PRODUCTION I (3AV1)

Semesters: 2 Credit: 1 Grades: 9-12

Recommended Prerequisite: Prin. of Arts, A/V Tech, & Comm.

Students will learn the use of analog and digital video cameras, editing software and other related video and audio hardware and software to create video productions. Students will gain understanding of copyright laws and ethical acquisitions of digital and video information. This course includes basic camera techniques, story/script writing, production, scheduling, lighting and audio recording and editing techniques, postproduction and broadcasting.

AUDIO VIDEO PRODUCTION II (3AV21)

Semesters: 2 (1 periods) Credits: 1 Grades: 10-12

Prerequisite: Audio/Video Production I

NOTE - Students Enrolled in this course are not eligible for Practicum in AV, due to the lack of required lab component

Lights! Camera! Action! This class is for students interested in Film, television, or YouTube as a career or as a serious money making hobby. Students write, produce, direct, and edit short films and video broadcasts.

AUDIO VIDEO PRODUCTION II & A/V II LAB (3AV2)

Semesters: 2 (2 periods) Credits: 2 Grades: 10-12

Prerequisite: Audio/Video Production I

Lights! Camera! Action! This class is for students interested in Film, television, or YouTube as a career or as a serious money making hobby. Students write, produce, direct, and edit short films and video broadcasts.

DIGITAL DESIGN AND MEDIA PRODUCTION (ESPORTS I) (DDMP)

Semesters: 2 Credits: 1 Grades: 10 - 12

Alvin ISD Prerequisite: Principles of A/V

Digital Design and Media Production (Esports I) is designed to prepare students for college studies and professional careers centered around the Esports industry. Students will learn the basics of content creation, Esports analytics, tournament organization, technology needs, and more. This course compliments the Esports team that meets outside of school hours.

FASHION DESIGN I (6FD1)

Semesters: 2 Credit: 1 Grades: 10-12

Recommended Prerequisite: Principles of Arts, Audio/Video Technology and Communications

Students study fashion trends, fabrics and related career options within this project based course. Students will be required to purchase supplies to complete projects.

FASHION DESIGN II & LAB (6FD2)

Semesters: 2 (2 periods) Credits: 2 Grades: 11-12

Prerequisite: Fashion Design I

Students will be expected to develop an advanced understanding of fashion with emphasis on design and production within this project based course. Students will be required to purchase supplies to complete projects.

GRAPHIC DESIGN AND ILLUSTRATION I (3GD1)

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Semesters: 2 Credit: 1 Grades: 10-12

Prerequisite: Recommended Principles of Arts, AV and Communications

Students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design. Students need a strong background in computers and proficiency in oral and written communication.

GRAPHIC DESIGN AND ILLUSTRATION II & LAB (JBH) (3GD2)

Semesters: 2 (2 periods) Credits: 2 Grades: 11-12

Prerequisite: Graphic Design and Illustration I

Student Interest Form Required / Course held at JB Hensler

The course expands on Graphic Design & Illustration including advanced skills in image editing and vector graphic software focusing on original creation and design of computer graphics for use as ornamentation, illustration, and advertising. Instruction is project-based and students will develop advanced technical skills needed for success in visual communication industries.

PRACTICUM IN A/V PRODUCTION (3PRAV)

Semesters: 2 (2 periods) Credits: 2 Grades: 11-12

Prerequisite: Audio Video Production II w/ Lab

The practicum course is designed to give students an opportunity to enhance their previous learning by participating in a paid or unpaid internship in their chosen Arts, Audio/Video Technology & Communication field.

PRACTICUM IN FASHION DESIGN (6PRFD1)

Semesters: 2 (2 periods) Credits: 2 Grades: 11-12

Prerequisite: Fashion Design II with Lab

Students will be expected to develop an advanced understanding of fashion with emphasis on design and production within this project based course. Students will be required to purchase supplies to complete projects.

PRACTICUM IN GRAPHIC DESIGN AND ILLUSTRATION (JBH) (3PGD)

Semesters: 2 (2 periods) Credits: 2 Grades: 12

Prerequisite: Graphic Design and Illustration II & Lab

This course is a continuation of Graphic Design and Illustration II and Lab with emphasis placed on designing for practical application, workflow and client interaction. Students will be expected to develop an advanced understanding of the industry with a focus on mastery of content knowledge and skills. Students may participate in either an on-site or off-site practicum experience.

PRINCIPLES OF ARTS, A/V, & COMMUNICATIONS (3PAV)

Semesters: 2 Credit: 1 Grades: 9-11

Pre-Requisite: None

This course focuses on the basics of Audio/Video Technology. In addition, students will explore the principles of video game design; fashion design; graphic design; commercial photography; animation; and printing and imaging. Students need a strong background in computers and proficiency in oral and written communication.

3D MODELING AND ANIMATION (MODAN)

Semesters: 2 Credit: 1 Grades: 9-12

In this course students will master foundational skills required for 3-D modeling and animation through the use of cutting-edge software. The modeling of environments, characters, and objects, along with basic story and script-writing principles are the focus of this course.

Note: Satisfies Fine Arts Requirement

CAREER PREPARATION I (4CP1)

Semesters: 2 Credits: 2 Grades: 11-12

1 period; plus 10 hours per week on work-site

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Prerequisite: Student must be 16 years of age. Must have personal transportation and an approved job.

Students receive general employability skills as a group and individual training that will address their job specific knowledge and skills. Student must meet requirements outlined in the contract that is signed by the student, parent, employer and teacher.

CAREER PREPARATION II (4CP2)

Semesters: 2 Credits: 2 Grade: 12

1 period; plus 10 hours per week on work-site

Prerequisite: Career Preparation I

Must have personal transportation and an approved job.

Students receive general employability skills as a group and individual training that will address their job specific knowledge and skills. Student must meet requirements outlined in the contract that is signed by the student, parent, employer and teacher.

EXTENDED CAREER PREPARATION (4ECP1)

Semesters: 2 Credits: 3 Grades: 11-12

Co-requisite: Career Prep I or II

Must meet requirements of Career Prep I or II plus work a minimum of 5 additional hours per week. For a total of 15+

Prerequisite: Student must be 16 years of age. Must have personal transportation and an approved job.

Students receive general employability skills as a group and individual training that will address their job specific knowledge and skills. Student must meet requirements outlined in the contract that is signed by the student, parent, employer and teacher.

CTE - BUSINESS, MARKETING & FINANCE

[**Course fees may apply see attached- CTE Course Fee Sheet*](#)

[**CTE Certification & Licensure Opportunities*](#)

ACCOUNTING I (4AC1)

Semesters: 2 Credit: 1 Grades: 10-12

Recommended Prerequisite: Principles of Business, Marketing, and Finance

Students are introduced to accounting concepts, principles and procedures. Students will formulate and interpret financial information for use in management decision making.

ACCOUNTING I DE (4AC1DC) (ACC-ACCT2301)

Semester: 1 Credit: 1 Grades: 10-12

Prerequisite: TSI Math. See ACC's Dual Enrollment Steps for instructions.

This course concentrates on the financial aspect of accounting and application.

NOTE: This is the first accounting course towards a 4-year degree in Accounting or Business. Students will receive 3 hours of college credit; Principles of Financial Accounting.

ACCOUNTING II (4AC2)

Semesters: 2 Credit: 1 Grades: 11-12

Prerequisite: Accounting I

Students continue their interest in accounting, including how it is impacted by outside factors such as economic, international and social factors.

ACCOUNTING II DE (4AC2DC) (ACC-ACCT2302)

Semester: 1 Credit: 1 Grades: 10-12

Prerequisite: Accounting I Dual Enrollment (ACCT 2301)

This course concentrates on the managerial aspect of accounting and application.

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NOTE: This is the second accounting course towards a 4-year degree in Accounting or Business. Students will receive 3 hours of college credit; Principles of Managerial Accounting.

ADVERTISING (4AS)

Semesters: 1 Credit: .5 Grades: 9–12

Prerequisite: None

Recommended Prerequisite: Principles of Business, Marketing, and Finance

Advertising is designed as a comprehensive introduction to the principles of practices of advertising. Students will gain knowledge of techniques used in current advertising, including print, broadcast, and digital media. The course explores the social, cultural, ethical, and legal issues of advertising, historical influences, strategies, media decision processes as well as integrated marketing communications, and careers in advertising and sales promotion. The course provides an overview of how communication tools can be used to reach target audiences and increase consumer knowledge.

BANKING & FINANCIAL SERVICES (4BFS)

Semesters: 1 Credit: .5 Grades: 10-12

Recommended Prerequisite: Principles of Business, Marketing, and Finance

This course will introduce banking and financial concepts and the role of money in today's economy.

BUSINESS INFORMATION MANAGEMENT I (4BIM)

Semesters: 2 Credit: 1 Grades: 9-12

Students apply technical skills to address business applications of emerging technologies, create word-processing documents, develop spreadsheets, formulate databases and make electronic presentations using Microsoft Office.

BUSINESS INFORMATION MANAGEMENT I DE - ACADEMIC (4BIMDC) (ACC - BCIS 1305)

Semesters: 1 Credit: 1 Grades 9-12

Prerequisite: TSI for Admission Only. TSI Met Reading/Writing. See ACC's Dual Enrollment Steps for instructions.

Students will study computer terminology, hardware, and software related to the business environment. The focus of this course is on business productivity using Microsoft Office and professional behavior in computing, including word processing, spreadsheets, databases, presentation graphics, and business oriented utilization of the internet.

BUSINESS MANAGEMENT (Sports Management) (4BM)

Semesters: 2 Credit: 1 Grades: 10-12

Recommended Prerequisite: Business Information Management I

The objective of the course is to introduce students to the fundamentals of Business Management as it is related to Sports. This course will also highlight the fundamentals of Business Finance and the importance of the financial systems utilized in various sports structures.

GLOBAL BUSINESS (4GB)

Semester: 1 Credit: 0.5 Grades: 10-12

Students apply technical skills to address international business practices. Student develops the foundation in the financial, international, and ethical aspects of business to become an informed consumer, employee or entrepreneur.

MONEY MATTERS (4MM)

Semester: 2 Credit: 1 Grades: 9-12

Students will gain knowledge and skills in setting personal goals regarding budgets, use of credit and long-term investment options.

PRINCIPLES OF BUSINESS, MARKETING, & FINANCE (4PBMF)

Semesters: 2 Credit: 1 Grades: 9-11

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This course introduces basic business procedures; develops the foundation for participating in today's business world; student creates an individual career plan while developing knowledge and skills in the areas of marketing and money management.

SOCIAL MEDIA MARKETING (4SMM)

Semester: 1 Credit: .5 Grades: 9-12

Recommended Prerequisite: Principles of Business, Marketing, and Finance or any other Marketing course.

Students in this course will discover the trends in the rise of social media marketing. Students will gain knowledge on how marketers utilize social media by integrating it into their marketing strategies and campaigns.

SPORTS & ENTERTAINMENT MARKETING (4SEM)

Semesters: 1 Credits: .5 Grades: 9-12

Alvin ISD Prerequisite: Principles of Business, Marketing, and Finance

Students will explore the marketing concepts that apply to sports, sporting events and entertainment.

VIRTUAL BUSINESS (4VB)

Semester: 1 Credit: 0.5 Grades: 10-12

Prerequisite: Recommended- Principles of Business, Marketing and Finance

Students obtain the knowledge in the legal, managerial, marketing, financial and ethical operation of a business. The students will use their knowledge and skills to maintain a virtual business on the school campus.

CAREER PREPARATION I (4CP1)

Semesters: 2 Credits: 2 Grades: 11-12

1 period; plus 10 hours per week on work-site

Prerequisite: Student must be 16 years of age. Must have personal transportation and an approved job.

Students receive general employability skills as a group and individual training that will address their job specific knowledge and skills. Student must meet requirements outlined in the contract that is signed by the student, parent, employer and teacher.

CAREER PREPARATION II (4CP2)

Semesters: 2 Credits: 2 Grade: 12

1 period; plus 10 hours per week on work-site

Prerequisite: Career Preparation I

Must have personal transportation and an approved job.

Students receive general employability skills as a group and individual training that will address their job specific knowledge and skills. Student must meet requirements outlined in the contract that is signed by the student, parent, employer and teacher.

EXTENDED CAREER PREPARATION (4ECP1)

Semesters: 2 Credits: 1 Grades: 11-12

Co-requisite: Career Prep I or II

Must meet requirements of Career Prep I or II plus work a minimum of 5 additional hours per week. For a total of 15+

Prerequisite: Student must be 16 years of age. Must have personal transportation and an approved job.

Students receive general employability skills as a group and individual training that will address their job specific knowledge and skills. Student must meet requirements outlined in the contract that is signed by the student, parent, employer and teacher.

CTE - CAREER DEVELOPMENT

[****Course fees may apply see attached- CTE Course Fee Sheet***](#)

[****CTE Certification & Licensure Opportunities***](#)

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CAREER PREPARATION I (4CP1)

Semesters: 2 Credits: 2 Grades: 11-12

1 period; plus 10 hours per week on work-site

Prerequisite: Student must be 16 years of age. Must have personal transportation and an approved job.

Students receive general employability skills as a group and individual training that will address their job specific knowledge and skills. Student must meet requirements outlined in the contract that is signed by the student, parent, employer and teacher.

CAREER PREPARATION II (4CP2)

Semesters: 2 Credits: 2 Grade: 12

1 period; plus 10 hours per week on work-site

Prerequisite: Career Preparation I

Must have personal transportation and an approved job.

Students receive general employability skills as a group and individual training that will address their job specific knowledge and skills. Student must meet requirements outlined in the contract that is signed by the student, parent, employer and teacher.

EXTENDED CAREER PREPARATION (4ECP1)

Semesters: 2 Credits: 1 Grades: 11-12

Co-requisite: Career Prep I or II

Must meet requirements of Career Prep I or II plus work a minimum of 5 additional hours per week. For a total of 15+

Prerequisite: Student must be 16 years of age. Must have personal transportation and an approved job.

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CTE - CONSTRUCTION

[****Course fees may apply see attached- CTE Course Fee Sheet***](#)

[****CTE Certification & Licensure Opportunities***](#)

CONSTRUCTION TECHNOLOGY I and II Video Course Description

CONSTRUCTION TECHNOLOGY I (JBH) (2CT1)

Semesters: 2 (2 periods) Credits: 2 Grades: 10-12

Alvin ISD Prerequisite: Principles of Construction

Alvin ISD Recommended Prerequisite: NCCER Core

Recommended Prerequisite: Principles of Construction

JBH Student Interest Form Required / Course held at JB Hensler

Students acquire knowledge and skills in safety, tool usage, building materials, codes, and framing. This course is a continuation of NCCER curriculum and standards established by Associated Builders and Contractors.

CONSTRUCTION TECHNOLOGY II (JBH) (2CT2)

Semesters: 2 (2 periods) Credits: 2 Grades: 11-12

Prerequisite: Construction Technology I and NCCER CORE

Students will gain advanced knowledge and skills specific to those needed to enter the workforce as carpenters, building maintenance technicians, or supervisors or prepare for a postsecondary degree in construction management, architecture, or engineering. This course is a continuation of NCCER curriculum and standards established by Associated Builders and Contractors.

HVAC I and II Video Course Description

HVAC & REFRIGERATION TECHNOLOGY I - HVAC I & SHEET METAL TECHNOLOGY (JBH) (2HVAC1)/(2SHTMT)

Semesters: 2 (2 Periods) Credits: 2 Grades: 10-12

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Alvin ISD Prerequisite: Principles of Construction

Alvin ISD Recommended Prerequisite: NCCER CORE

JBH Student Interest Form Required / Course held at JB Hensler

Students will gain knowledge and skills needed to enter the industry as technicians in the HVAC and refrigeration industry or building maintenance industry, prepare for a postsecondary degree in a specified field of construction management, or pursue an approved apprenticeship program. Students will study principles of HVAC theory, use of tools, codes, and installation of HVAC and refrigeration equipment. Basic code requirements and Sheet Metal and Air Conditioning Contractors' National Association (SMACNA) design principles will be introduced.

HVAC & REFRIGERATION TECHNOLOGY II (JBH) (2HVAC2)

Semesters: 2 (2 periods) Credits: 2 Grades: 11-12

Prerequisite: HVAC & Refrigeration Technology I & Sheet Metal Technology (JBH) (2HVAC1)/(2SHTMT)

Students will acquire industry level knowledge and skills in safety, electrical theory, tools, codes, installation of commercial HVAC equipment, heat pumps, and troubleshooting techniques, various duct systems and maintenance practices.

PRACTICUM IN CONSTRUCTION TECHNOLOGY (JBH) (2PRCT1)

Semesters: 2 (2 periods) Credits: 2 Grades: 12

Prerequisite: Construction Technology II or HVAC & Refrigeration Technology II

Students will be challenged with the application of knowledge and skills gained in previous construction-related coursework. The practicum course is designed to give students an opportunity to allowed them to work at a job (paid or unpaid) outside of school or be involved in local projects the school has approved for this class. *Students must have own reliable transportation to travel to various internships or construction sites.*

PRINCIPLES OF CONSTRUCTION (2PC)

Semesters: 2 Credit: 1 Grades: 9-11

This first year course provides an overview to the various fields of construction. Students will identify and use hand tools, power tools, read technical drawings.

CAREER PREPARATION I (4CP1)

Semesters: 2 Credits: 2 Grades: 11-12

1 period; plus 10 hours per week on work-site

Prerequisite: Student must be 16 years of age. Must have personal transportation and an approved job.

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CAREER PREPARATION II (4CP2)

Semesters: 2 Credits: 2 Grade: 12

1 period; plus 10 hours per week on work-site

Prerequisite: Career Preparation I

Must have personal transportation and an approved job.

Students receive general employability skills as a group and individual training that will address their job specific knowledge and skills. Student must meet requirements outlined in the contract that is signed by the student, parent, employer and teacher.

EXTENDED CAREER PREPARATION (4ECP1)

Semesters: 2 Credits: 1 Grades: 11-12

Co-requisite: Career Prep I or II

Must meet requirements of Career Prep I or II plus work a minimum of 5 additional hours per week. For a total of 15+

Prerequisite: Student must be 16 years of age. Must have personal transportation and an approved job.

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CTE - EDUCATION & TRAINING

[*Course fees may apply see attached- CTE Course Fee Sheet](#)

[*CTE Certification & Licensure Opportunities](#)

HUMAN GROWTH & DEVELOPMENT (6HGD)

Semesters: 2 Credit: 1 Grade: 10-12

This course is designed to human development across the lifespan with emphasis on research, theoretical perspectives, and common physical, cognitive, emotional, and social developmental milestones. This course covers material that is generally taught in a post-secondary introductory course in developmental psychology or human development.

HUMAN GROWTH & DEVELOPMENT DE (6HGDD) (ACC - PSYC 2314)

Semesters: 1 Credit: 1 Grade: 10-12

Prerequisite: See ACC's Dual Enrollment/Dual Degree; TSI Testing Requirements

This course is a study of social, emotions, cognitive and physical factors and influences of a developing human from conception to death.

INSTRUCTIONAL PRACTICES - READY, SET, TEACH! (6RST1)

Semesters: 2 (2 periods) Credits: 2 Grades: 11-12

Pre-Requisite: At least one credit in a course from the education and training career cluster is required. (e.g. Principles of Education and Training, Human Growth and Development, or Child Development)

This is the class you have heard about where students get an opportunity to work in elementary or middle school classrooms. Once you have learned some of the basics of teaching theory and practice, you will be paired with an experienced mentor teacher. Students learn to plan and direct classroom activities, prepare instructional materials, and complete other responsibilities of teachers.

PRACTICUM IN EDUCATION AND TRAINING (6RST2)

Semesters: 2 (2 periods) Credits: 2 Grade: 12

Prerequisite: Instructional Practices (Ready Set Teach)

If you couldn't get enough of your first year working with children, this may be the class for you. You will focus on additional teaching strategies, classroom management, and the learning environment. Additional opportunities for student leadership will be provided.

PRINCIPLES OF EDUCATION AND TRAINING (6POE)

Semesters: 2 (1 period) Credits: 1 Grades: 9 -10

Prerequisite: NONE

Principles of Education is designed to introduce learners to the various career opportunities available within the education and training career cluster. This course will serve as a foundation for students interested in teaching fields ranging from preschool to high school age. Students will explore the various roles and responsibilities and describe typical personal characteristics, qualities, and aptitudes of education professionals. Students will also investigate post-secondary education alternatives and create an education and training degree plan for their chosen occupation area. This course provides "hands on" experiences working with children.

PRINCIPLES OF HUMAN SERVICES (6PHS)

Semesters: 2 Credit: 1 Grades: 9-11

This course will enable students to investigate careers in the human services career cluster, including counseling and mental health, personal finance, early childhood development, family and community, and personal care services.

CAREER PREPARATION I (4CP1)

Semesters: 2 Credits: 2 Grades: 11-12

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1 period; plus 10 hours per week on work-site

Prerequisite: Student must be 16 years of age. Must have personal transportation and an approved job.

Students receive general employability skills as a group and individual training that will address their job specific knowledge and skills. Student must meet requirements outlined in the contract that is signed by the student, parent, employer and teacher.

CAREER PREPARATION II (4CP2)

Semesters: 2 Credits: 2 Grade: 12

1 period; plus 10 hours per week on work-site

Prerequisite: Career Preparation I

Must have personal transportation and an approved job.

Students receive general employability skills as a group and individual training that will address their job specific knowledge and skills. Student must meet requirements outlined in the contract that is signed by the student, parent, employer and teacher.

EXTENDED CAREER PREPARATION (4ECP1)

Semesters: 2 Credits: 1 Grades: 11-12

Co-requisite: Career Prep I or II

Must meet requirements of Career Prep I or II plus work a minimum of 5 additional hours per week. For a total of 15+

Prerequisite: Student must be 16 years of age. Must have personal transportation and an approved job.

Students receive general employability skills as a group and individual training that will address their job specific knowledge and skills. Student must meet requirements outlined in the contract that is signed by the student, parent, employer and teacher.

CTE - STEM ENGINEERING (Project Lead The Way - PLTW)

[*Course fees may apply see attached - CTE Course Fee Sheet](#)

[*CTE Certification & Licensure Opportunities](#)

AEROSPACE ENGINEERING (PLTW) (APA) (9AE)

Semesters: 2 Credit: 1 Grades: 10-12

Alvin ISD Prerequisite: Introduction to Engineering Design

Students explore the physics of flight and bring what they are learning to life through hands on projects like designing a glider and creating a program for autonomous space.

CIVIL ENGINEERING AND ARCHITECTURE (PLTW) (APA) (9CEA)

Semesters: 2 Credit: 1 Grades: 10-12

Alvin ISD Prerequisite: Introduction to Engineering Design

Students will have opportunities to create solutions to real world problems like road systems that alleviate traffic jams, event centers, or other high traffic areas. This Engineering Specialization allows students to apply what they have learned in prior PLTW courses to more specific area in engineering. This course will receive accelerated grade points.

ENGINEERING DESIGN AND PROBLEM SOLVING (PLTW-ENGINEERING DESIGN AND DEVELOPEMENT) (APA) (9EDPS)

Semesters: 2 Credit: 1 Grades: 11- 12

Prerequisite: Algebra I, Biology, and at least 1 course from the CTE STEM Cluster

Students work in teams to design and develop an original solution to a significant technical problem by applying the engineering design process. Students perform research to choose, validate, and justify a technical problem. After carefully defining the problem, teams design, build, and test their solutions while working closely with industry professionals who provide mentoring opportunities. At the conclusion of the course, teams will present and defend their solution to an outside panel.

Note: This course satisfies a science graduation requirement.

ENGINEERING SCIENCE (PRINCIPLES OF ENGINEERING DESIGN) (PLTW) (APA) (9POE)

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Semesters: 2 Credit: 1 Grades: 10-12

Prerequisites: Algebra I, Biology, and Introduction to Engineering Design (IED)

Recommended Prerequisites: Geometry, Integrated Physics and Chemistry (IPC), and one credit in Chemistry or Physics

Students will have the opportunity to explore an Engineering career and open their minds to the influences of the career field, and its impact on the world. Students will use a variety of software and technology to create various Engineering designs. This course will receive accelerated grade points.

NOTE: This course satisfies a Science graduation requirement.

INTRODUCTION TO ENGINEERING DESIGN (PLTW) (9IED)

Semesters: 2 Credit: 1 Grades: 9-12

Alvin ISD Prerequisite: Algebra I or Concurrent Enrollment in Algebra I

Introduction to Engineering Design is beginning PLTW Pre Engineering course. Students will utilize software and other technology to solve problems through a hands on approach to exploring engineering careers.

CTE - STEM COMPUTER SCIENCE

[*Course fees may apply see attached- CTE Course Fee Sheet](#)

[*CTE Certification & Licensure Opportunities](#)

COMPUTER SCIENCE A AP (CSAPL&CSAPM)

Semesters: 2 Credit: 2 Grades: 10-12

Prerequisite: Algebra 1 or comfortable with $f(x)=x+2$ and $f(x)=g(h(x))$

This course includes fundamentals of programming in the Java language at an advanced level. Topics include program design methodology, problem solving and algorithm development, use of classes and objects, control and data structures, input/output, methods and arrays. This course is the equivalent of a first-semester college course in Computer Science and should be taken by students desiring to obtain college credit through the AP exam.

Note: Satisfies one LOTE and one Math elective credit (must complete the full year course)

COMPUTER SCIENCE PRINCIPLES AP (CSPP)

Semesters: 2 Credit: 1

Prerequisite: Algebra I recommended

AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles also gives students the opportunity to use current technologies to create computational artifacts for both self-expression and problem solving. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science.

FOUNDATIONS OF CYBERSECURITY (9FC)

Semesters: 2 Credit: 1 Grades: 9-12

Students will develop the knowledge and skills needed to explore fundamental concepts related to the ethics, laws and operations of cybersecurity. Students will examine trends and operations of cyberattacks, threats and vulnerabilities. Students will review and explore security policies designed to mitigate risks. The skills obtained in this course prepare students for additional study in cybersecurity.

INDEPENDENT STUDY IN TECHNOLOGY APPLICATIONS (GAME PROGRAMMING AND DESIGN) (ISTA1)

Semesters: 2 Credit: 1 Grades: 11-12

Prerequisite: AP Computer Science A

This project-driven course is an extension of AP Computer Science A and will focus on applying programming skills to create full programs. Students are expected to have experience programming in an object oriented environment. Learners will explore coding games (using Unity) with C# and how to compile and deploy programs on a variety of platforms, including Android, iOS, PC, and internet. This course receives advanced grade points.

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CYBERSECURITY CAPSTONE (9CC)

Semesters: 2 Credit: 1 Grades: 11-12

Recommended Prerequisite: Foundations of Cybersecurity

In the Cybersecurity Capstone course, students will develop the knowledge and skills needed to explore advanced concepts related to the ethics, laws, and operations of cybersecurity. Students will examine trends and operations of cyberattacks, threats, and vulnerabilities. Students will develop security policies to mitigate risks. The skills obtained in this course prepare students for additional study toward industry certification. A variety of courses are available to students interested in the cybersecurity field. Cybersecurity Capstone may serve as a culminating course in this field of study.

CAREER PREPARATION I (4CP1)

Semesters: 2 Credits: 2 Grades: 11-12

1 period; plus 10 hours per week on work-site

Prerequisite: Student must be 16 years of age. Must have personal transportation and an approved job.

Students receive general employability skills as a group and individual training that will address their job specific knowledge and skills. Student must meet requirements outlined in the contract that is signed by the student, parent, employer and teacher.

CAREER PREPARATION II (4CP2)

Semesters: 2 Credits: 2 Grade: 12

1 period; plus 10 hours per week on work-site

Prerequisite: Career Preparation I

Must have personal transportation and an approved job.

Students receive general employability skills as a group and individual training that will address their job specific knowledge and skills. Student must meet requirements outlined in the contract that is signed by the student, parent, employer and teacher.

EXTENDED CAREER PREPARATION (4ECP1)

Semesters: 2 Credits: 1 Grades: 11-12

Co-requisite: Career Prep I or II

Must meet requirements of Career Prep I or II plus work a minimum of 5 additional hours per week. For a total of 15+

Prerequisite: Student must be 16 years of age. Must have personal transportation and an approved job.

Students receive general employability skills as a group and individual training that will address their job specific knowledge and skills. Student must meet requirements outlined in the contract that is signed by the student, parent, employer and teacher.

CTE - HEALTH SCIENCE

[**Course fees may apply see attached- CTE Course Fee Sheet*](#)

[**CTE Certification & Licensure Opportunities*](#)

ANATOMY & PHYSIOLOGY (AP)

Semesters: 2 Credit: 1 Grades: 10-12

Prerequisite: One credit in Biology, One credit in Chemistry, IPC or Physics

This course includes a study of the structure and function of organ systems and the human body. This is lab-oriented and teaches proper dissection techniques as well as various physiological phenomena.

Note: Satisfies a Science graduation requirement.

HEALTH SCIENCE THEORY (5HS)

Semesters: 2 Credit: 1 Grade: 10-12

Prerequisite: Biology and at least one credit from a course in Health Science Cluster (Principles of Health Science or Medical Terminology).

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This course is designed to provide for the development of advanced knowledge and skills related to a wider variety of health careers. Students will employ hands-on experiences for continued knowledge and skill development.

HEALTH SCIENCE THEORY WITH CLINICALS (5HSCL)

Semesters: 2 (2 periods) Credit: 2 Grade: 10-12

Prerequisite: Biology and at least one credit from a course in Health Science Cluster (Principles of Health Science or Medical Terminology).

This course is designed to provide for the development of advanced knowledge and skills related to a wider variety of health careers. Students will employ hands-on experiences for continued knowledge of employment opportunities, technology, and safety requirements of each system in the healthcare industry. Students will rotate through various clinical sites related to the medical field.

This course requires a criminal background check, drug screening, immunizations including a current TB Skin Test and a flu shot within the last 6 months, and purchase of class uniform. Students must also have their own reliable transportation. Students may be subjected to mandatory medical facility requirements including, but not limited to fingerprinting and a UIL physical examination.

MEDICAL MICROBIOLOGY (MICRO)

Semester: 2 Credit: 1 Grades: 10-12

Prerequisite: Biology & Chemistry & at least one credit in a course from the health science career cluster

Students in Medical Microbiology explore the microbial world, studying topics such as pathogenic and non-pathogenic microorganisms, laboratory procedures, identifying microorganisms, drug resistant organisms, and emerging diseases.

Note: Satisfies a science graduation requirement.

MEDICAL TERMINOLOGY (5MT)

Semester: 2 Credit: 1 Grades: 9-12

This course allows students to achieve comprehension of medical vocabulary appropriate to medical procedures, human anatomy and physiology, and pathophysiology. The structure of medical terms will be introduced to students.

PATHOPHYSIOLOGY (PATHO)

Semester: 2 Credit: 1 Grades: 11-12

Prerequisite: Biology and Chemistry and at least 1 credit from a Level 2 or higher course from the health science career cluster

Students will study disease processes and how humans are affected. Emphasis is placed on prevention and treatment of disease. Students will differentiate between normal and abnormal physiology by conducting laboratory and field investigations and use the scientific method, critical thinking, and problem solving to make informed decisions.

Note: Satisfies a science graduation requirement.

PRACTICUM IN HEALTH SCIENCE – Certified Medical Assistant CMA (JBH) (5PRCMA)

Semesters: 2 (2 Periods) Credits: 2 Grade: 12

Prerequisite: Health Science Theory (OR Clinicals) and Biology

Alvin ISD Prerequisite: Principles of Health Science, Medical Terminology

JBH Student Interest Form Required / Course held at JB Hensler

This course is an occupationally specific course designed to provide knowledge and skills for certification as a Certified Clinical Medical Assistant. Students develop advanced clinical skills necessary for employment in the healthcare industry.

This course requires a passed criminal background check, drug screening, immunizations including a current TB Skin Test and a flu shot within the last 6 months, a UIL physical examination, a state issued ID, and purchase of class uniform. Students must have own reliable transportation to travel to various clinics for clinical rotations. Students who do not pass the criminal background check and drug screening will be removed from the class.

PRACTICUM IN HEALTH SCIENCE – CERTIFIED NURSE ASSISTANT CNA (JBH) (5CNA)

Semesters: 2 (2 Periods) Credits: 2 Grade: 12

Prerequisite: Health Science Theory (OR Clinicals) and Biology

Alvin ISD Prerequisite: Principles of Health Science, Medical Terminology

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JBH Student Interest Form Required / Course held at JB Hensler

This course is an occupationally specific course designed to provide knowledge and skills for certification as a Nursing Assistant in the state of Texas. Students develop advanced clinical skills necessary for employment in the healthcare industry.

This course requires a passed criminal background check, drug screening, immunizations including a current TB Skin Test and a flu shot within the last 6 months, a UIL physical examination, a state issued ID, and purchase of class uniform. Students must have own reliable transportation to travel to various clinics for clinical rotations. Students who do not pass the criminal background check and drug screening will be removed from the class.

PRACTICUM IN HEALTH SCIENCE – DENTAL ASSISTANT (JBH) (5DEN1)

Semesters: 2 (2 Periods) Credits: 2 Grades: 11-12

Prerequisite: Health Science Theory (OR Clinicals) and Biology

Alvin ISD Prerequisite: Principles of Health Science, Medical Terminology

JBH Student Interest Form Required / Course held at JB Hensler

This course is an occupationally specific course designed to provide knowledge and skills for certification as a dental assistant. Students will develop advanced clinical skills necessary for employment in the dental industry.

This course requires a passed criminal background check, drug screening, immunizations including a current TB Skin Test and a flu shot within the last 6 months, a UIL physical examination, a state issued ID, and purchase of class uniform. Students must have own reliable transportation to travel to various clinics for clinical rotations. Students who do not pass the criminal background check and drug screening will be removed from the class.

Practicum in Health Science: ECA/EMT Video Course Description

PRACTICUM IN HEALTH SCIENCE DE: ECA/EMT (JBH) (5EMTDC) (ACC EMSP 1205/1160/1501)

Semesters: 2 (2 periods) Credit: 2 Grade: 12

Alvin ISD Prerequisite: Principles of Health Science, Prerequisite: See ACC's Dual Enrollment Steps for instructions. Health Science Theory (OR Clinicals) and Biology

Certification Preparation: Emergency Medical Technician - Basic; Outside Clinicals Spring (1-credit) Must be 17 years of age.

JBH Student Interest Form Required / Course held at JB Hensler

This program requires interested students to complete a program application, background check, drug screen, a physical examination, and provide/obtain current immunization documents. The fall semester of this course is a health-related work-based learning experience that enables the student to apply specialized EMT occupational theory, skills, and concepts. This course is tuition free. No TSI needed. The fall semester of this course will include all the skills necessary to provide preparation for certification as an Emergency Care Attendant (ECA)/Emergency Medical Responder (EMR). This course is tuition free. No TSI needed. The spring semester will include technical dual enrollment EMSP 1501 - Emergency Medical Technician - Basic preparation for certification as an Emergency Medical Technician, and technical dual enrollment EMSP 1160 - Clinical - Emergency Medical Technician - Basic. Students must have reliable transportation to travel to various hospitals and EMS services for clinical rotations.

Practicum in Health Science-- Pharmacy Tech I and II Video Course Description

PRACTICUM IN HEALTH SCIENCE DE: PHAR TECH I (JBH) (5PT1DC) (ACC PHARM 1301/1309/1305/1315/1347/1441)

Semesters: 2 (2 Periods) Credit: 2 Grades: 11-12

Alvin ISD Prerequisite: Principles of Health Science, Prerequisite: See ACC's Dual Enrollment Steps for instructions. Health Science Theory (OR Clinicals) and Biology

JBH Student Interest Form Required / Course held at JB Hensler

The Pharmacy Tech program is offered as a certificate program preparing students to take the Pharmacy Technician Certification Exam. This program prepares the student to work in retail and hospital pharmacies. This certification program accounts for the 32 credits of the Pharmacy Technician Associate of Applied Science of degree.

PRACTICUM IN HEALTH SCIENCE DE: PHARMACY TECH II (JBH) (5PT2DC) (ACC PHAR 1413/1449/1345/1243/1261)

Semesters: 2 (2 Periods) Credit: 2 Grades: 12

Prerequisite: Pharm Tech I / See ACC's Dual Enrollment Steps for instructions.

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The Pharmacy Tech program is offered as a certificate program preparing students to take the Pharmacy Technician Certification Exam. This program prepares the student to work in retail and hospital pharmacies. This certification program accounts for the 27 credits of the Pharmacy Technician Associate of Applied Science of degree. The grades for the ACC clinical and test prep courses will be reported to AISD as Pass/Fail only.

PRINCIPLES OF HEALTH SCIENCE (5PHS)

Semesters: 2 Credit: 1 Grades: 9-10

This course provides an overview of the therapeutic, diagnostic, health information, support services, and biotechnology research and development systems of the healthcare industry.

CTE - HOSPITALITY & TOURISM

[*Course fees may apply see attached- CTE Course Fee Sheet](#)

[*CTE Certification & Licensure Opportunities](#)

CULINARY ARTS, INTRO (6ICA)

Semesters: 2 Credits: 1 Grades: 9-10

This course will emphasize the principles of planning, organizing, staffing, directing, and controlling the management of a variety of food service operations. Students will develop food production and hospitality skills as well as explore various levels of industry management.

Students will be required to lift containers/objects which may weigh in excess of 25 pounds. Students will be expected to attend after school and weekend functions throughout the school year.

CULINARY ARTS (6CA)

Semesters: 2 (2 periods) Credits: 2 Grades: 10-12

Alvin ISD Prerequisite: Intro to Culinary Arts and Texas Recognized Food Handlers Certification

MHS students will be transported to JBH for classes. FOR MHS ONLY - JBH Student Interest Form Required / Course held at JB Hensler

Culinary Arts begins with the fundamentals and principles of the art of cooking and the science of baking and includes management and production skills and techniques. Food labs will focus on the design and production of food as an art.

Students will be required to lift containers/objects which may weigh in excess of 25 pounds. Students will be expected to attend after school and weekend functions throughout the school year.

CULINARY ARTS, ADVANCED (JBH) (6CA2)

Semesters: 2 (2 periods) Credits: 2 Grades: 11-12

Prerequisite: Culinary Arts

JBH Student Interest Form Required / Course held at JB Hensler

A study of personal cleanliness; sanitary practices in food preparation; causes, investigation, control of illness caused by food contamination (Hazard Analysis Critical Control Points); and workplace safety standards. A study of the fundamental principles of food preparation and cookery to include the Brigade System, cooking techniques, material handling, heat transfer, sanitation, safety, nutrition, and professionalism. Knife skills, proper tool and equipment use, dry and moist heat cookery, stock and sauce production are among the topics covered. The fundamentals of baking including yeast dough, quick breads, pies, cakes, cookies, tarts, and doughnuts. Instruction in flours, fillings, and ingredients. Topics include baking terminology, tool and equipment use, kitchen safety, formula conversions, functions of ingredients, and the evaluation of baked products.

Students will be required to lift containers/objects which may weigh in excess of 25 pounds. Students will be expected to attend after school and weekend functions throughout the school year.

PRACTICUM IN CULINARY ARTS (JBH) (6PCA)

Semesters: 2 (2 periods) Credits: 2 Grades: 12

Alvin ISD Prerequisite: Advanced Culinary Arts

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Continuation of previous food preparation course. Topics include the concept of pre-cooked food items, as well as scratch preparation. Covers full range of food preparation techniques. Topics include: product identification, sandwich and salad cookery, breakfast cookery and the utilization of convenience products. Students will also be able to explain the elements of the hospitality industry; discuss current issues facing food service; discuss current guest needs; and explain general hotel/motel operations. Explain and discuss the role of service in the hospitality industry.

Students will be required to lift containers/objects which may weigh in excess of 25 pounds. Students will be expected to attend after school and weekend functions throughout the school year.

CAREER PREPARATION I (4CP1)

Semesters: 2 Credits: 2 Grades: 11-12

1 period; plus 10 hours per week on work-site

Prerequisite: Student must be 16 years of age. Must have personal transportation and an approved job.

Students receive general employability skills as a group and individual training that will address their job specific knowledge and skills. Student must meet requirements outlined in the contract that is signed by the student, parent, employer and teacher.

CAREER PREPARATION II (4CP2)

Semesters: 2 Credits: 2 Grade: 12

1 period; plus 10 hours per week on work-site

Prerequisite: Career Preparation I

Must have personal transportation and an approved job.

Students receive general employability skills as a group and individual training that will address their job specific knowledge and skills. Student must meet requirements outlined in the contract that is signed by the student, parent, employer and teacher.

EXTENDED CAREER PREPARATION (4ECP1)

Semesters: 2 Credits: 1 Grades: 11-12

Co-requisite: Career Prep I or II

Must meet requirements of Career Prep I or II plus work a minimum of 5 additional hours per week. For a total of 15+

Prerequisite: Student must be 16 years of age. Must have personal transportation and an approved job.

Students receive general employability skills as a group and individual training that will address their job specific knowledge and skills. Student must meet requirements outlined in the contract that is signed by the student, parent, employer and teacher.

CTE - HUMAN SERVICES

[**Course fees may apply see attached- CTE Course Fee Sheet*](#)

[**CTE Certification & Licensure Opportunities*](#)

BARBERING I (JBH) (6BARB1)

Semester: 2 (3 periods) Credits: 3 Grades: 10-11

[Course Fees - See Attached](#)

Note: Application required; 2 Year Program

Students will be required to spend extra hours in the barbering lab in order to meet the 500 clock hours required to move to Barbering II.

JBH Student Interest Form Required / Course held at JB Hensler

The barbering program is a two year sequence of courses designed to provide job-specific training that will prepare the student to become a licensed barber. This first year course consists of orientation to barbering, fundamentals of barbering, hair, nail and skin care.

BARBERING II (JBH) (6BARB2)

Semester: 2 (3 periods) Credits: 3 Grade: 11-12

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Students will be required to spend extra hours in the barbering lab in order to meet the 500 clock hours required to move to Barbering II.

The barbering program is a two year sequence of courses designed to provide job-specific training that will prepare the student to become a licensed barber. This first year course consists of orientation to barbering, fundamentals of barbering, hair, nail and skin care.

Cosmetology I (2.0) & Principles of Cosmetology Design and Color Theory (1.0) (JBH Total 3.0) (6COS)/(6PCD)

Semester: 2 (3 periods) Credits: 3 Grades: 10-11

[Course Fees - See Attached](#)

Note: Application required; 2 Year Program

Students will be required to spend extra hours in the cosmetology lab in order to meet the 500 clock hours required to move to Cosmetology II.

Certification/License preparation: Cosmetology License (must log 1,000 hours over 2 years and pass state exam)

JBH Student Interest Form Required / Course held at JB Hensler

The cosmetology program is a two year sequence of courses designed to provide job-specific training that will prepare the student to become a licensed cosmetologist. This first year course consists of orientation to cosmetology, fundamentals of cosmetology, chemical reformation and related theory, artistry of hair, and manicures.

COSMETOLOGY II and LAB (JBH) (6COS2)

Semesters: 2 (3 periods) Credits: 3 Grades: 11-12

Prerequisite: Cosmetology I + 500 clock hours

This course includes advanced cosmetology instruction. The students practice advanced hair design, principles and applications of hair coloring techniques, advanced haircutting and related theory, learn about salon development, and prepare for the Texas Department of Licensing & Regulation (TDLR) exam. Students will gain real world experience by practicing their skills on clients. This program meets all of the Texas Department of Licensing & Regulation requirements for licensure upon passing the state exam.

HUMAN GROWTH & DEVELOPMENT (6HGD)

Semesters: 2 Credit: 1 Grade: 10-12

This course is designed to human development across the lifespan with emphasis on research, theoretical perspectives, and common physical, cognitive, emotional, and social developmental milestones. This course covers material that is generally taught in a post-secondary introductory course in developmental psychology or human development.

HUMAN GROWTH & DEVELOPMENT DE (6HGDD) (ACC - PSYC 2314)

Semesters: 1 Credit: 1 Grade: 10-12

Prerequisite: See ACC's Dual Enrollment/Dual Degree; TSI Testing Requirements

This course is a study of social, emotions, cognitive and physical factors and influences of a developing human from conception to death.

LIFETIME NUTRITION AND WELLNESS (6LNW)

Semesters: 1 Credit: 0.5 Grades: 9-12

Recommended Prerequisite: Principles of Human Services

This course allows students to use principles of nutrition to help them make informed choices that promote lifetime wellness and introduces careers related to hospitality, human services, and health sciences. Laboratory experiences will focus on the integration of nutrition and wellness knowledge with basic food preparation and management skills.

PRINCIPLES OF HUMAN SERVICES (6PHS)

Semesters: 2 Credit: 1 Grades: 9-11

This course will enable students to investigate careers in the human services career cluster, including counseling and mental health, personal finance, early childhood development, family and community, and personal care services.

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CAREER PREPARATION I (4CP1)

Semesters: 2 Credits: 2 Grades: 11-12

1 period; plus 10 hours per week on work-site

Prerequisite: Student must be 16 years of age. Must have personal transportation and an approved job.

Students receive general employability skills as a group and individual training that will address their job specific knowledge and skills. Student must meet requirements outlined in the contract that is signed by the student, parent, employer and teacher.

CAREER PREPARATION II (4CP2)

Semesters: 2 Credits: 2 Grade: 12

1 period; plus 10 hours per week on work-site

Prerequisite: Career Preparation I

Must have personal transportation and an approved job.

Students receive general employability skills as a group and individual training that will address their job specific knowledge and skills. Student must meet requirements outlined in the contract that is signed by the student, parent, employer and teacher.

EXTENDED CAREER PREPARATION (4ECP1)

Semesters: 2 Credits: 1 Grades: 11-12

Co-requisite: Career Prep I or II

Must meet requirements of Career Prep I or II plus work a minimum of 5 additional hours per week. For a total of 15+

Prerequisite: Student must be 16 years of age. Must have personal transportation and an approved job.

Students receive general employability skills as a group and individual training that will address their job specific knowledge and skills. Student must meet requirements outlined in the contract that is signed by the student, parent, employer and teacher.

CTE - INFORMATION TECHNOLOGY

[*Course fees may apply see attached- CTE Course Fee Sheet](#)

[*CTE Certification & Licensure Opportunities](#)

COMPUTER MAINTENANCE & LAB (JBH) (7CM)

Semesters: 2 (2 periods) Credits: 2 Grades: 10-12

Alvin ISD Prerequisite: Principles of Information Technology

JBH Student Interest Form Required / Course held at JB Hensler

This course provides job-specific training for entry-level employment in computer repair technician careers. Students will apply critical thinking skills in understanding and synthesizing computer hardware, motherboard architecture, electronics theory, hardware components, operating systems, and fundamental networking. This course offers an in-depth understanding of the material, supported by hands-on laboratory projects..

NETWORKING/LAB (JBH) (7TN)

Semesters: 2 (2 periods) Credits: 2 Grades: 11-12

Alvin ISD Prerequisite: Principles of Info Tech & Computer Maintenance and Lab

This course provides job-specific training for entry-level employment in telecommunications and networking careers. Students will apply critical thinking skills in understanding and synthesizing the Open System Interconnection (OSI) model, Internet Protocol (IP) addressing, routing technologies, network architecture, network troubleshooting, cabling specifications, rack implementation, network security, and system hardening. This course provides students with an in-depth understanding of the material, supported by hands-on laboratory projects.

PRINCIPLES OF INFORMATION TECHNOLOGY (7PIT)

Semesters: 2 Credit: 1 Grades: 9-10

Students will develop computer literacy skill to adapt to emerging technologies used in the global marketplace. Course provides hands-on activities to explore hardware, software, networking, and careers in the information technology field.

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PRACTICUM IN INFORMATION TECHNOLOGY (JBH) (7PCIT1)

Semesters: 2 (2 periods) Credits: 2 Grades: 11-12

Alvin ISD Prerequisite: Principles of Info. Tech and Computer Maintenance, Networking (recommended)

Students will gain advanced knowledge and skills in the application, design, production, implementation, maintenance, evaluation, and assessment of products, services, and systems. Knowledge and skills in the proper use of analytical skills and application of IT concepts and standards are essential to prepare students for success in a technology-driven society. Critical thinking, IT experience, and product development may be conducted in a classroom setting with an industry mentor, as an unpaid or paid internship, as part of a capstone project, or as career preparation.

CAREER PREPARATION I (4CP1)

Semesters: 2 Credits: 2 Grades: 11-12

1 period; plus 10 hours per week on work-site

Prerequisite: Student must be 16 years of age. Must have personal transportation and an approved job.

Students receive general employability skills as a group and individual training that will address their job specific knowledge and skills. Student must meet requirements outlined in the contract that is signed by the student, parent, employer and teacher.

CAREER PREPARATION II (4CP2)

Semesters: 2 Credits: 2 Grade: 12

1 period; plus 10 hours per week on work-site

Prerequisite: Career Preparation I

Must have personal transportation and an approved job.

Students receive general employability skills as a group and individual training that will address their job specific knowledge and skills. Student must meet requirements outlined in the contract that is signed by the student, parent, employer and teacher.

EXTENDED CAREER PREPARATION (4ECP1)

Semesters: 2 Credits: 1 Grades: 11-12

Co-requisite: Career Prep I or II

Must meet requirements of Career Prep I or II plus work a minimum of 5 additional hours per week. For a total of 15+

Prerequisite: Student must be 16 years of age. Must have personal transportation and an approved job.

Students receive general employability skills as a group and individual training that will address their job specific knowledge and skills. Student must meet requirements outlined in the contract that is signed by the student, parent, employer and teacher.

CTE - LAW, PUBLIC SERVICE

[**Course fees may apply see attached- CTE Course Fee Sheet*](#)

[**CTE Certification & Licensure Opportunities*](#)

CRIMINAL INVESTIGATIONS (8CI)

Semesters: 2 Credit: 1 Grade: 10-12

Recommended Prerequisite: Principles of Law, Public Safety, Corrections, and Security

Students will be introduced into the profession of Criminal investigations. Students will learn terminology and investigative procedures related to criminal investigations, crime scene processing, evidence collection, fingerprinting, and courtroom presentations.

FORENSIC SCIENCE (FOREN)

Semesters: 2 Credit: 1 Grades: 11-12

Prerequisite: One credit in Biology, One Credit in Chemistry, IPC and Chemistry or Physics

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Forensic Science is a lab-based course utilizing the scientific methods, students will collect and analyze evidence through case studies and simulated crime scenes such as fingerprint analysis, ballistics and blood spatter analysis. Students will learn the history, legal aspects, and career options for Forensic Science.

Note: Satisfies a science graduation requirement.

LAW ENFORCEMENT I (8LAW1)

Semesters: 2 Credit: 1 Grade: 10-12

Alvin ISD Prerequisite: Principles of Law, Public Safety, Corrections, and Security

An overview of the history, organization, and functions of local, state, and federal law enforcement. This course includes the role of constitutional law, the United States legal system, criminal law, law enforcement terminology, and the classification and elements of crime.

LAW ENFORCEMENT II /CORRECTIONAL SERVICES (JBH) (8LAW2) / (8CS)

Semesters: 2 (2 Periods)

Credit: 2 Grade: 11-12

Alvin ISD Prerequisite: Law Enforcement I

JBH Student Interest Form Required / Course held at JB Hensler

Law Enforcement II provides the knowledge and skills necessary to prepare for a career in law enforcement. Students will understand ethical and legal responsibilities, patrol procedures, first responder roles, telecommunications, emergency equipment operations, and courtroom

testimony. The course provides an overview of security elements and types of organizations with a focus on security measures used to protect lives, property, and proprietary information, to ensure computer security, to provide information assurance, and to prevent cyber crime. Students will learn the role and responsibilities of a county or municipal correctional officer; discuss relevant rules, regulations, and laws of municipal, county, state, or federal facilities; and discuss defensive tactics, restraint techniques, and first aid procedures as used in the municipal, county, state, or federal correctional setting. Students will analyze rehabilitation and alternatives to institutionalization for inmates. This course identifies the roles of judicial officers and the trial process.

PRACTICUM IN LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY (JBH) (8PR911)

Semesters: 2 (2 periods) Credits: 2 Grade: 11-12

Alvin ISD Prerequisite: Law Enforcement II

This course is designed to give student supervised practical application of previously studied knowledge and skills in law, public safety, corrections, and security. Students will have the opportunity to learn all aspects of a 911 call center through realistic simulations. Students will also gain simulated law enforcement training and practice the industry skills of takedowns.

PRINCIPLES OF LAW & PUBLIC SAFETY (8PLAW)

Semesters: 2 Credit: 1 Grades: 9-11

The course provides students with an overview of the skills necessary for careers in law enforcement, fire service, security, and corrections. Students will examine the roles and responsibilities of police, courts, corrections, Private security, and protective agencies of fire and emergency services.

CTE - ENERGY & MANUFACTURING

[***Course fees may apply see attached- CTE Course Fee Sheet**](#)

[***CTE Certification & Licensure Opportunities**](#)

FOUNDATIONS OF ENERGY (1FE) - NEW FOR 2024-2025

Semesters: 2 Credits: 1 Grade: 9-11

Prerequisite: None

Foundations of Energy provides students with the fundamentals of Texas energy resources from conventional, unconventional, and renewable sources. Students develop knowledge and skills regarding career and educational opportunities in the production, transmission, and use of energy in Texas, including import and export markets for energy.

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PRACTICUM IN MANUFACTURING (JBH/AHS) (1PRM)

Semesters: 2 (2 periods) Credits: 2 Grade: 12

Alvin ISD Prerequisite: Welding II (JBH) or Metal Fabrication & Machining II (AHS)

This course is designed to give student supervised practical application of previously studied knowledge and skills in manufacturing cluster. Practicum experiences may be paid or unpaid, and can occur in a variety of locations appropriate to the nature and level of experience such as internship, mentorships, independent study, or laboratories. *Students must have own reliable transportation to travel to various internships or work sites.*

Metal Fabrication and Machining I (AHS) (1MFM1)

Semesters: 2 (2 periods) Credits: 2 Grades: 10-12

Alvin ISD Prerequisite: Principles of Manufacturing and Recommended: Algebra I or Geometry.

Metal Fabrication and Machining I provides the knowledge, skills, and certifications required for equal employment opportunities in the metal production industry. Students must have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems.

METAL FABRICATION AND MACHINING II (AHS) (1MFM2)

Semesters: 2 (2 periods) Credits: 2 Grades: 11-12

Prerequisites: Metal Fabrication and Machining I.

AlISD Recommended Prerequisites: Geometry and Algebra II.

Metal Fabrication and Machining II builds on the knowledge, skills, and certifications students acquire in Metal Fabrication and Machining I. Students will develop advanced concepts and skills as related to personal and career development. This course integrates academic and technical knowledge and skills. Students will have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems.

WELDING - INTRO TO WELDING (1IWLD)

Semesters: 2 Credits: 1 Grades: 9-11

Students will be introduced to the three basic welding processes. Topics include: include industrial safety and health practices, hand tool and power machine use, measurement, lab operating procedures, welding power sources, welding career potentials, and an introduction to codes and standards.

[Welding I and II Video Course Description](#)

WELDING I (JBH/AHS) (1WLD1)

Semesters: 2 (2 periods) Credits: 2 Grades: 10-12

Alvin ISD Prerequisite: Intro to Welding and Recommended: Algebra I

JBH Student Interest Form Required / Course held at JB Hensler

This course offers jobs specific training for entry-level employment in welding careers.

WELDING II (JBH) (1WLD2)

Semesters: 2 (2 periods) Credits: 2 Grades: 11-12

Prerequisite: Welding I and Recommended: Geometry

Students will develop advanced welding concepts and skills. Metal is cut with plasma arc and oxy-fuel torches, prepared with grinders, welded with oxy acetylene. Shielded metal arc, gas metal arc, and gas tungsten arc processes, then the weld is tested.

CAREER PREPARATION I (4CP1)

Semesters: 2 Credits: 2 Grades: 11-12

1 period; plus 10 hours per week on work-site

Prerequisite: Student must be 16 years of age. Must have personal transportation and an approved job.

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Students receive general employability skills as a group and individual training that will address their job specific knowledge and skills. Student must meet requirements outlined in the contract that is signed by the student, parent, employer and teacher.

CAREER PREPARATION II (4CP2)

Semesters: 2 Credits: 2 Grade: 12

1 period; plus 10 hours per week on work-site

Prerequisite: Career Preparation I

Must have personal transportation and an approved job.

Students receive general employability skills as a group and individual training that will address their job specific knowledge and skills. Student must meet requirements outlined in the contract that is signed by the student, parent, employer and teacher.

EXTENDED CAREER PREPARATION (4ECP1)

Semesters: 2 Credits: 1 Grades: 11-12

Co-requisite: Career Prep I or II

Must meet requirements of Career Prep I or II plus work a minimum of 5 additional hours per week. For a total of 15+

Prerequisite: Student must be 16 years of age. Must have personal transportation and an approved job.

Students receive general employability skills as a group and individual training that will address their job specific knowledge and skills. Student must meet requirements outlined in the contract that is signed by the student, parent, employer and teacher.

CTE - TRANSPORTATION, DISTRIBUTION, & LOGISTICS

[*Course fees may apply see attached- CTE Course Fee Sheet](#)

[*CTE Certification & Licensure Opportunities](#)

Auto Collision, Auto Paint and Refinishing Video Course Description

AUTO COLLISION REPAIR (JBH) (1COL1)

Semesters: 2 (2 periods) Credits: 2 Grades: 10-12

Alvin ISD Prerequisite: Auto Basics

JBH Student Interest Form Required / Course held at JB Hensler

This course is designed to teach the concepts and theory of systems related to automotive collision repair and refinishing. Collision repair and refinishing services include knowledge of the processes, technologies, and materials used in the reconstruction and alteration of vehicles. Topics include body panel repair and replacement, mig welding, frame technology, plastic repair, damage analysis, and refinishing. Safety is stressed during all phases with student performance centered on I-CAR qualification preparation.

AUTO PAINT AND REFINISHING (JBH) (1COL2)

Semesters: 2 (2 periods) Credits: 2 Grades: 11-12

Alvin ISD Prerequisite: Auto Collision Repair

This course is designed to teach the application of advanced technical skills and practices related to collision repair and refinishing. Students will gain advanced knowledge of the processes, technologies, and materials used in the reconstruction and refinishing of vehicles. The opportunity will be given to earn I-Car points which will help increase employability in the Collision Repair and Refinishing industry.

AUTOMOTIVE BASICS (1AB)

Semesters: 2 Credits: 1 Grades: 9-11

The focus of this course is to help students gain basic knowledge of automotive systems, the theory principles of the components that make up each system, and how to service these systems. Students will also learn tool identification and their uses, shop safety, and skill development. Course curriculum will reinforce, apply, and transfer academic knowledge and skills to a variety of settings including problem solving. This course also teaches communication and occupation skills to assist the student in obtaining and maintaining employment.

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[Auto Technology I and II Video Course Description](#)

AUTOMOTIVE TECHNOLOGY I (JBH) (1AUTO1)

Semesters: 2 Credits: 2 Grades: 10-12

Alvin ISD Prerequisite: Auto Basics

JBH Student Interest Form Required / Course held at JB Hensler

Job specific training for employment in the automotive technician career field. It includes the use of repair manuals, hands-on service, and the preparation for four of the Automotive Service Excellence (ASE) automotive certifications: Engine Performance, Electrical/Electronic Systems, Suspension/Steering and Brakes.

AUTOMOTIVE TECHNOLOGY II (JBH) (1AUTO2)

Semesters: 2 Credits: 2 Grades: 11-12

Prerequisite: Automotive Technology I

Students learn the theory of operation of automotive vehicle systems and associated repair practices in a pre-employment laboratory. This course is advanced training and preparation for the Automotive Service Excellence (ASE) Certification in Engine Performance, Electrical/Electronic Systems, Suspension and Steering and Brakes.

[Practicum in Transportation Systems Video Course Description](#)

PRACTICUM IN TRANSPORTATION SYSTEMS: AUTO TECH (JBH) (1PRT)

Semesters: 2 (2 periods) Credits: 2 Grade: 12

Prerequisite: Auto Tech II

This course is designed to give student supervised practical application of previously studied knowledge and skills in transportation industry. Practicum experiences may be paid or unpaid, and can occur in a variety of locations appropriate to the nature and level of experience such as internship, mentorships, independent study, or laboratories. *Students must have reliable transportation to travel to various internships or work sites.*

PRACTICUM IN TRANSPORTATION SYSTEMS: AUTO PAINT AND REFINISHING (JBH) (1PRTP)

Semesters: 2 (2 periods) Credits: 2 Grade: 12

Prerequisite: Auto Paint and Refinishing

This course is designed to give student supervised practical application of previously studied knowledge and skills in transportation industry. Practicum experiences may be paid or unpaid, and can occur in a variety of locations appropriate to the nature and level of experience such as internship, mentorships, independent study, or laboratories. *Students must have reliable transportation to travel to various internships or work sites.*

CAREER PREPARATION I (4CP1)

Semesters: 2 Credits: 2 Grades: 11-12

1 period; plus 10 hours per week on work-site

Prerequisite: Student must be 16 years of age. Must have personal transportation and an approved job.

Students receive general employability skills as a group and individual training that will address their job specific knowledge and skills. Student must meet requirements outlined in the contract that is signed by the student, parent, employer and teacher.

CAREER PREPARATION II (4CP2)

Semesters: 2 Credits: 2 Grade: 12

1 period; plus 10 hours per week on work-site

Prerequisite: Career Preparation I

Must have personal transportation and an approved job.

Students receive general employability skills as a group and individual training that will address their job specific knowledge and skills. Student must meet requirements outlined in the contract that is signed by the student, parent, employer and teacher.

EXTENDED CAREER PREPARATION (4ECP1)

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Semesters: 2 Credits: 1 Grades: 11-12

Co-requisite: Career Prep I or II

Must meet requirements of Career Prep I or II plus work a minimum of 5 additional hours per week. For a total of 15+

Prerequisite: Student must be 16 years of age. Must have personal transportation and an approved job.

Students receive general employability skills as a group and individual training that will address their job specific knowledge and skills. Student must meet requirements outlined in the contract that is signed by the student, parent, employer and teacher.

OTHER ELECTIVES

ACADEMIC DECATHLON I (ACDEC1)

Semesters: 2 Credit: 1

Prerequisite: Teacher approval

This course examines the inter-related aspects of Western thought. Students read and compare history, art, literature, music, sciences, mathematical concepts, and economic principles. Students in this class are expected to compete in Academic Decathlon competitions. This course will receive accelerated grade points.

ACADEMIC DECATHLON II (ACDEC2)

Semesters: 2 Credit: 1 Grades: 10-12

Prerequisite: Teacher approval and Acad. Decathlon I

This course examines the inter-related aspects of Western thought. Students read and compare history, art, literature, music, sciences, mathematical concepts, and economic principles. Students in this class are expected to compete in Academic Decathlon competitions. This course will receive accelerated grade points.

ACADEMIC DECATHLON III (ACDEC3)

Semesters: 2 credit: 1 Grades: 11-12

Prerequisite: Teacher approval and Acad. Decathlon II

This course examines the inter-related aspects of Western thought. Students read and compare history, art, literature, music, sciences, mathematical concepts, and economic principles. Students in this class are expected to compete in Academic Decathlon competitions. This course will receive advanced grade points.

ACADEMIC DECATHLON IV (ACDEC4)

Semesters: 2 Credit: 1 Grade: 12

Prerequisite: Teacher approval and Acad. Decathlon III

This course examines the inter-related aspects of Western thought. Students read and compare history, art, literature, music, sciences, mathematical concepts, and economic principles. Students in this class are expected to compete in Academic Decathlon competitions. This course will receive advanced grade points.

ADVANCED SAT PREP (SAT)

Semesters: 1 Credit: 1 Grades: 10-12

Prerequisite: Completion of Algebra I and English I Fee: No more than a \$20 fee is required.

This is a college-preparatory course that includes advanced skill development in critical reading, application of math skills, and essay writing. This course prepares students for the SAT and ACT college entrance exams and emphasizes Texas College and Career Readiness Standards.

AVID 9-12 (AVID9) (AVID10) (AVID11) (AVID12)

Semesters: 2 Credit: 1

Prerequisite: Application/interview required, 2.0-3.5 GPA recommended; Teacher/administrator recommendation, AVID committee approval and student commitment to academic achievement. Successful completion of AVID10 or AVID11 is required for admission into AVID12.

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The Advancement Via Individual Determination (AVID) program is designed to help students prepare for, commit and succeed in postsecondary education. Students will learn time management, study skills, note taking methodologies, and interpersonal awareness.

COLLEGE TRANSITIONS DE (CTD) (ACC - PSYC 1300)

Semester: 1 Credit: 1

Prerequisite: TSI for Admissions Only. See ACC's Dual Enrollment Steps for instructions.

A study of the 1) research and theory in the psychology of learning, cognition, and motivation, 2) factors that impact learning, and 3) application of learning strategies. Theoretical models of strategic learning, cognition, and motivation serve as the conceptual basis for the introduction of college-level student academic strategies. Students use assessment instruments to help them identify their own strengths and weaknesses as strategic learners. Students are ultimately expected to integrate and apply the learning skills discussed across their own academic programs and become effective and efficient learners. Students developing these skills should be able to continually draw from the theoretical models they have learned. This course is required for the Dual Degree Program.

INDEPENDENT STUDY IN SPEECH DE - INTRO TO MASS COMMUNICATIONS DE (MASSDC) (ACC - COMM 1307)

Semester: 1 Credit: .5

Prerequisite: TSI for Admissions Only. See ACC's Dual Enrollment Steps for instructions.

Survey of basic content and structural elements of mass media and their functions and influences on society.

NATIONAL MERIT REVIEW PROGRAM (NMRP)

Semester: 1 (fall) Credit: 0.5 Grade: 11

Prerequisite: Students must qualify to take this course.

This course is designed to prepare our National Merit Review Program students to qualify as finalists in the National Merit Scholarship Competition, as well as prepare them to be successful on the SAT. This course will receive advanced grade points.

OFF Campus (LOCAL) (OFF1)

Semesters: 1-2 Credit: none Grade: 12

Students may register for up to two periods off-campus if the following criteria are met: (1) Student has passed all EOC Exams (2) Student has met the post-secondary readiness standard (see "[Post-Secondary Readiness](#)" tab) (3) Student has earned the required number of credits and does not require credit recovery. A minimum of 23 credits earned allows a student to register for two periods off campus, and a minimum of 21 credits earned allows a student to register for one period off campus. See your School Counselor to review graduation requirements. **Note: Students must be off campus during their off period or a class will be assigned.**

OFFICE ASSISTANT (LOCAL credit) (AIDE1)

Semesters: 1-2 Credit: .5-1 Grade: 12

Prerequisite: Counselor approval

Students will be given local credit; therefore, this course is only open to students who meet certain guidelines.

STUDENT LEADERSHIP (SCLDR)

Semesters: 2 Credit: 1

Prerequisite: None

This course provides structure of leadership, group dynamics and team building for those in student council. Students will plan and implement school and community projects. Students will spend at least 20 hours outside of school on projects.

TEEN LEADERSHIP (TLDR)

Semester: 1 Credit: .5

Prerequisite: Teacher recommendation

Teen Leadership is a program in which students develop leadership, professional, and business skills. Students will develop skills in public speaking, communication, and an understanding of personal image.

Alternate Ways to Earn Credit

Online/Distance Learning:

With prior guidance and approval from the high school counselor, current Alvin ISD students may only enroll in coursework and earn credit and GPA from the following institutions: Texas Tech University K-12, UT High School, and Texas Virtual School network. A student may earn a maximum of five (5) high school credits through online/distance learning, Credit by Exam (CBE), CLEP, and Alvin ISD CBEs for initial high school credit. A maximum of two (2) of the five (5) credits may be earned in junior high. All grades will be transcribed numerically upon completion of the course, including failing grades, and will be included in the AISD GPA. Discuss GPA implications with the school counselor prior to enrolling in the course. Official grade reports must be provided directly to the high school counselor by the institution. Students and parents are responsible for online/distance registration, fees, and follow-up tasks related to the online course.

Advanced Placement (AP) Exam and College-Level Examination Program (CLEP) Without Prior Instruction:

Students in Grades 6-12 will be awarded credit for an academic subject in which the student has had no prior instruction if the student scores: (1) A three or higher on a College Board advanced placement examination that has been approved by the board for the applicable course; or (2) A scaled score of 50 or higher on an examination administered through the College-Level Examination Program (CLEP) and approved by the board for the applicable course. Documentation showing qualifying test scores must be provided by the student to the high school counselor. A grade of "P" (pass) will be added to the high school transcript for credit. No GPA points will be awarded.

Credit Recovery:

The Credit Recovery (CR) Program is designed to provide students who have previously failed a course an opportunity to regain failed credits. AISD uses the online platform, Edgenuity, which covers the scope and sequence of content taught in the traditional Alvin ISD classroom. Prior guidance and approval from a school counselor is required for all Edgenuity courses. An initial target date of 9 weeks after course enrollment will be enabled for each student and progress will be monitored by an Edgenuity Facilitator. The final course grade of 'P' or 'F' will be submitted by the Edgenuity Facilitator and posted on the high school transcript.

Credit by Exam (CBE):

A Credit by Exam (CBE) is a criterion-referenced test that evaluates mastery of the Texas Essential Knowledge and Skills for a particular subject or grade level. All CBEs for credit in high school subjects are purchased from University of Texas or Texas Tech University and are administered by the AISD Assessment Department four times throughout the year. A student can have no prior formal instruction in the course being tested and must score an 80% or better on the exam to receive high school credit. Students who earn CBE credit for a course requiring an End-of-Course (EOC) exam will be exempt from taking the EOC exam. The test grade and credit will be recorded on the transcript, and GPA points will be awarded for credit earned. The school pays the fees for these exams; however, a refundable deposit must be paid when the student registers for the exam. For more information visit the AISD Website at <https://www.alvinisd.net/o/aisd/page/credit-by-exam-and-grade-placement>.

Credit Recovery Exam (CRE):

A student who has previously taken a course and failed with a minimum grade of a 60 may, pending TEA state assessment requirements, be permitted to earn credit for the failed course by taking a credit recovery exam. A CRE must be taken and passed within the first grading period (i.e. NW1 and NW3) of the subsequent semester (Fall, Spring, Summer). A student with excessive absences can only take a credit recovery exam with approval from the Attendance Review Committee. A student must score at least 70 on the exam to receive credit; the grade will be recorded as a "P" (pass) on the transcript and no grade points are awarded. CRE cannot be used to regain eligibility in extra-curricular activities. Check with a counselor for eligibility. *Students required to take the STAAR EOC may not qualify for CRE.*

Summer School:

Summer school is available for credit acceleration and recovery. Summer school occurs at each of the high school campuses. Prior guidance and approval from a school counselor is required for all summer course registration. Summer school coursework completed in Alvin ISD will follow the same GPA guidelines as courses taken during the regular school day. Alvin ISD students who enroll in another Texas public ISD for a summer school program will only be permitted to transfer grades if an official record is provided. Initial credit courses will receive a numerical final grade to be posted on the student's high school transcript (this includes incomplete summer courses). Credit recovery courses will receive a pass/fail grade to be posted on the student's high school transcript. Summer school information is available in late spring, and will be published on the main Alvin ISD Federal and Special Programs Department at <https://www.alvinisd.net/o/aisd/page/federal-and-special-programs>.